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BULLETIN OF THE UNIVERSITY OF
WISCONSIN

Serial No. 1330, General Series No. 1106

THE
UNIVERSITY OF WISCONSIN

ANNOUNCEMENT OF
MEDICAL SCHOOL
PRE-MEDICAL AND MEDICAL COURSES
COURSES IN HYGIENE

1925-1926

MADISON, WISCONSIN

September, 1925

THE LIBRARY OF THE

OCT 2 1925

UNIVERSITY OF ILLINOIS

Issued monthly by the University of Wisconsin at Madison, Wisconsin. Entered as second class matter, July 11, 1916, at the post office at Madison, Wis., under the Act of August 24, 1912.

THE REGENTS OF THE UNIVERSITY

GLENN FRANK, President of the University, *ex officio*
 JOHN CALLAHAN, State Superintendent of Public Instruction,
ex officio

TERM EXPIRES

| | |
|---|------|
| State-at-Large—ADOLF GUNDEREEN, La Crosse..... | 1931 |
| State-at-Large—FRED E. BACHMAN, Appleton..... | 1930 |
| State-at-Large—MISS ZONA GALE, Portage..... | 1929 |
| State-at-Large—JOHN C. SCHMIDTMANN, Manitowoc..... | 1926 |
| First District—VICTOR P. RICHARDSON, Janesville..... | 1931 |
| Second District—DANIEL H. GRADY, Portage..... | 1930 |
| Third District—M. B. OLBRICH, Madison..... | 1931 |
| Fourth District—MISS LEOLA M. HIRSCHMAN, Milwaukee..... | 1928 |
| Fifth District—THEODORE KRONSHAGE, JR., Milwaukee..... | 1927 |
| Sixth District—MISS ELIZABETH A. WATERS, Fond du Lac..... | 1927 |
| Seventh District—D. O. MAHONEY, VIROQUA..... | 1926 |
| Eighth District—FRANKLIN A. NACE, Iola..... | 1928 |
| Ninth District—JOHN E. CASHMAN, DENMARK..... | 1930 |
| Tenth District—BEN F. FAAST, EAU CLAIRE..... | 1926 |
| Eleventh District—C. B. CASPERSON, FREDERIC..... | 1929 |

THE BOARD OF VISITORS

Regent Appointments

| | |
|---|--------------|
| MRS. CHARLES R. CARPENTER, Madison..... | July 1, 1926 |
| GEORGE P. HAMBRECHT, Madison..... | July 1, 1927 |
| LOYAL DURAND, Milwaukee..... | July 1, 1928 |
| WALTER J. KOHLER, Kohler..... | July 1, 1929 |

Alumni Appointments

| | |
|------------------------------------|--------------|
| MRS. HOWARD GREENE, Milwaukee..... | July 1, 1926 |
| ISRAEL SHRIMSKI, Chicago..... | July 1, 1927 |
| B. E. MCCORMICK, La Crosse..... | July 1, 1928 |
| MRS. LUCY M. BERRY, Chicago..... | July 1, 1929 |

Governor's Appointments

| | |
|------------------------------------|--------------|
| W. B. KIDDER, La Crosse..... | July 1, 1926 |
| MRS. C. E. PATZER, Milwaukee..... | July 1, 1927 |
| MRS. JULIA A. SCHNETZ, Racine..... | July 1, 1928 |
| CARL J. HESGARD, Orfordville..... | July 1, 1929 |

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1925/26-1928/29

CALENDAR

THE ACADEMIC YEAR 1925-26

FIRST SEMESTER

1925

| | | |
|------------------|--------------------|--|
| *September 17-19 | Thurs.-Sat. (noon) | Early registration days |
| September 21, 22 | Monday, Tuesday | Registration days |
| September 21, 22 | Monday, Tuesday | Examinations for admission |
| September 23 | Wednesday | Instructional work begins |
| September 26 | Saturday | Special examinations for removal of conditions |
| November 26 | Thursday | Thanksgiving Day; legal and only holiday |
| December 18 | Friday (noon) | Christmas recess begins |
| 1926 | | |
| January 5 | Tuesday (8 A.M.) | Exercises resumed |
| January 16 | Saturday | Examinations for removal of conditions |
| Jan. 25-Feb. 3 | Mon.-Wednesday | Final examinations |

SECOND SEMESTER

| | | |
|---------------|--------------------|--|
| February 4, 5 | Thursday, Friday | Registration days, second semester |
| February 8 | Monday | Instructional work begins |
| February 22 | Monday | Washington's Birthday: legal holiday |
| April 7-13 | Wed.-Tues. (incl.) | Spring recess |
| April 17 | Saturday | Examinations for removal of conditions |
| May (30) 31 | Monday | Memorial Day: legal holiday |
| June 7-15 | Monday-Tuesday | Final examinations |
| June 14, 15 | Monday-Tuesday | Examinations for admission |
| June 18-21 | Friday-Monday | Commencement exercises |

SUMMER SESSION 1926

| | | |
|------------|----------|------------------------------------|
| June 21 | Monday | Law School opens |
| June 26 | Saturday | Registration day |
| June 28 | Monday | Colleges and Graduate School open |
| July (4) 5 | Monday | Independence Day: legal holiday |
| August 6 | Friday | Colleges and Graduate School close |
| August 27 | Friday | Law School closes |

*Freshman in the College of Letters and Science may get class assignments on Friday, September 18, and Saturday morning, September 19.

SPECIAL NOTICE

The University of Wisconsin consists of the following colleges, courses, and schools:

- The College of Letters and Science, G. C. SELLERY, *Dean*
 - The College of Engineering, F. E. TURNEAURE, *Dean*.
 - The College of Agriculture, H. L. RUSSELL, *Dean*.
 - The Law School, H. S. RICHARDS, *Dean*.
 - The Medical School, C. R. BARDEEN, *Dean*.
 - The Graduate School, C. S. SLICHTER, *Dean*.
 - The School of Education, V. A. C. HENMON, *Director*.
 - The Course in Industrial Education and Applied Arts,
A. H. EDGERTON, *Chairman*.
 - The Course in Physical Education (for Men), G. S. LOWMAN, *Chairman*.
 - The Course in Physical Education (for Women) Miss B. M. TRILLING,
Chairman.
 - The School of Music, C. H. MILLS, *Director*.
 - The Extension Division, L. E. REBER, *Dean*.
 - The Summer Session, S. H. GOODNIGHT, *Director*.
 - The Course in Commerce, W. A. SCOTT, *Director*.
 - The Chemistry-Commerce Course, J. H. MATHEWS, *Director*.
 - The Course in Chemistry, J. H. MATHEWS, *Director*.
 - The Course in Humanities, E. H. BYRNE, *Chairman*.
 - The Course in Home Economics, MISS ABBY L. MARLATT, *Director*.
 - The Course in Journalism, W. G. BLEYER, *Director*.
 - The School of Nursing, Miss H. I. DENNE, *Director*.
 - The Course in Pharmacy, EDWARD KREMERS, *Director*.
 - The Library School, Miss M. E. HAZELTINE, *Preceptor*.
- For information in regard to departments apply to

Miss Georgia M. Martin

Assistant Registrar

THE MEDICAL SCHOOL

FACULTY

GLENN FRANK, LL.D., President of the University, *ex-Officio*

Full Service Staff

CHARLES RUSSELL BARDEEN, Professor of Anatomy and Dean of the Medical School.

B.A., Harvard, 1893; M.D., Johns Hopkins, 1897. Assistant in Anatomy, Johns Hopkins, 1897-99; Associate 1899-01; Associate Professor 1901-04. Professor of Anatomy, Wisconsin, 1904-; Dean of Medical School, 1907-. Honorary member of the Radiological Society of North America; Member of Association of Anatomists and of the Society of Experimental Biology; President, Association of American Medical Colleges, 1916; President State Medical Society, 1920.

WALTER JOSEPH MEEK, Professor of Physiology and Assistant Dean of the Medical School.

B.A., Kansas, 1902; Ph.D., Chicago, 1909. Instructor in Physiology, Wisconsin, 1908-10; Assistant Professor, 1910-13; Associate Professor, 1913-18; Professor, 1918-. Assistant Dean, 1920-. Major, Chemical Warfare Service, 1917-18. Associate Editor Physiological Reviews. Secretary, American Physiological Society.

CHARLES HENRY BUNTING, Professor of Pathology.

B.S., Wisconsin, 1896; M.D., Johns Hopkins, 1901; Fellow in Biology, Wisconsin, 1896-97; Assistant Demonstrator in Pathology, Pennsylvania, 1902-03; Assistant Instructor and Associate, Johns Hopkins, 1903-06; Pathologist to Bay View Hospital, Baltimore, 1904-06; Assistant Resident Pathologist, Johns Hopkins Hospital, 1903-06; Professor of Pathology and Bacteriology, University of Virginia, 1906-08; Pathologist to Virginia University Hospital, 1906-08; Professor of Pathology, Wisconsin, 1908-. Member, American Association of Pathologists and Bacteriologists, Association of American Physicians, Society of Experimental Biology, Society of Experimental Pathology; Consulting Pathologist, Chemical Warfare Service, 1917-18; Pathologist to Wisconsin General Hospital.

PAUL FRANKLIN CLARK, Professor of Bacteriology.

Ph.B., Brown University, 1904; A.M., Brown, 1905; Ph.D., Brown, 1909; Assistant in Biology and Bacteriology, Brown University, 1904-06; Assistant Bacteriologist, Rhode Island State Board of Health, 1906-07; Fellow, Assistant and Associate in Department of Pathology, Rockefeller Institute, 1909-14; Associate Professor of Bacteriology, Wisconsin, 1914-18; Professor of Bacteriology, 1918-. Member of Society of Bacteriologists, Society of Experimental Biology, Society of Experimental Pathology, Public Health Association, Harvey Society. Consulting Bacteriologist, Chemical Warfare Service, 1917-18; Bacteriologist to Wisconsin General Hospital.

HAROLD CORNELIUS BRADLEY, Professor of Physiological Chemistry.

A.B., California, 1900; Ph.D., Yale, 1905; Instructor, Yale Medical School, 1905-06; Assistant Professor of Physiological Chemistry, University of Wisconsin, 1906-13; Associate Professor, 1913-18; Professor, 1918-. Major, Sanitary Engineering Corps, U. S. Army, 1917-18; Member of American Chemical Society, Physiological Society, Society Biological Chemistry.

ROBIN CARL BUERKI, Superintendent of Wisconsin General Hospital.

B.S., Wisconsin, 1915; M.D., Pennsylvania, 1917; Interne and Chief Resident, University of Pennsylvania Hospital, 1917-19. Lieutenant, Division of Head Surgery, U. S. Army, 1917-18. Vice President, Wisconsin Hospital Association. Acting Superintendent, Wisconsin General Hospital, 1923-24; Superintendent, 1924-.

JOSEPH SPRAGG EVANS, Professor of Medicine.

B.A., Haverford, 1895; M.D., Pennsylvania, 1899; Interne, Germantown Hospital, 1899-1900; University Hospital, 1900-01; University of Vienna, 1901-02; Pasteur Institute, 1902; Instructor Clinical Medicine, University of Pennsylvania, 1902-10; Professor of Clinical Medicine, Wisconsin, 1910-24; Professor of Medicine, Wisconsin 1924-. Chairman, Medical Section, Wisconsin Council of Medical Defense, 1918; Fellow, American College of Physicians, Fellow, College of Physicians, Philadelphia. Physician, State of Wisconsin General Hospital, 1924-.

JOHN AUGUSTINE ENGLISH EYSTER, Professor of Physiology.

B.Sc., University of Maryland, 1899; M.D., Johns Hopkins University, 1905; Fellow, Assistant, Instructor and Associate in Physiology, Johns Hopkins University, 1906-09; Professor of Pharmacology, University of Virginia, 1910-11; Professor of Physiology, University of Wisconsin, 1911-. Major, Chemical Warfare Service, 1917-18. Member, Council American Physiological Society; Member, Society Pharmacologists, Society of Experimental Biology, Association of American Physicians; Associate Physician, State of Wisconsin General Hospital.

CARL ARTHUR HEDBLOM, Professor of Surgery.

A.B., Colorado College, 1907; A.M., Colorado College, 1908; M.D., Harvard Medical School, 1913; Ph.D., Mayo Foundation, 1920; D.S.C., (Hon.), Colorado College 1921; Professor of Surgery, Harvard Medical School of China, Shanghai, China, 1913-16; Surgeon, Mayo Clinic, 1916-24; Assistant Professor of Surgery, Graduate School, University of Minnesota, 1920-24; Professor of Surgery, University of Wisconsin Medical School, 1924-. Member, American College of Surgeons, Western Surgical Association, Society of Clinical Surgeons, Association for Thoracic Surgeons, (President, 1924). Surgeon, State of Wisconsin General Hospital.

ARTHUR SOLOMAN LOEVENHART, Professor of Pharmacology.

B.S., Kentucky State University, 1898; M.S., Kentucky, 1899; M.D., Johns Hopkins, 1903; Assistant in Pharmacology, Johns Hopkins, 1903-04; Associate, 1904-06; Assistant Professor, 1906-08; Professor of Pharmacology, University of Wisconsin, 1908-. Chief of Pharm. Div., Research Section, Chemical Warfare Service, 1917-1918; Consultant, Chemical Warfare Service, 1920-. Member, Society Biological Chemists, Society Experimental Biology, Physiological Society, Pharmacological Society (President 1919-20). Pharmacologist, Wisconsin General Hospital.

WILLIAM FREDERICK LORENZ, Professor of Neuro-Psychiatry.

M.D., Bellevue Hospital College, 1903; Interne, St. Vincent's Hospital, New York, 1902-03; St. John's Hospital, 1904-05; Special Expert, United States Public Health Service, Pellagara Commission, 1913-14; Director, Wisconsin Psychiatric Institute, 1915. Major, Medical Service, U. S. Army, 1917-18. Medical Councilor U. S. Veterans' Bureau. Chairman, Wisconsin State Board of Control, 1924-25. Associate Professor of Neuro-Psychiatry, Wisconsin, 1915-20; Professor, 1920-. Member, American Psychiatric Association, Central Psychiatric Association. Neuro-Psychiatrist, State of Wisconsin General Hospital, 1924-.

WILLIAM SNOW MILLER, Emeritus Professor of Anatomy.

M.D., Yale, 1879; Sc.D., (Hon.) University of Cincinnati, 1920; Scholar and Fellow, Clark University, 1889-92; Fellow, Johns Hopkins, 1905-06; Special Lecturer, Mt. Holyoke College, 1889; Pathologist, Worcester City Hospital, and the Memorial Hospital, Worcester, Mass., 1889-1892; Instructor, Vertebrate Anatomy, University of Wisconsin, 1892-95; Assistant Professor of Anatomy, 1895-04; Associate Professor, 1904-16; Professor, 1916-24; Emeritus Professor, Wisconsin, 1924-. Lecturer in Medicine, Johns Hopkins Medical School, 1918-19; Lecturer in School of Tuberculosis, U. S. Veterans Hospital No. 4, New Haven, Connecticut, 1923. Member, Association Anatomists (Vice-President, 1909). Special investigator, National Tuberculosis Association, 1920-.

WILLIAM ATWOOD MOWRY, Physician-in-Chief, Student Health Service.

M.D., Northwestern, 1910; Interne, St Luke's Hospital, Chicago, 1910-11. Assistant Professor Clinical Medicine, Wisconsin, 1923; Chief of Student Health Service, 1924-.

WILLIAM DAVIDSON STOVALL, Professor of Hygiene.

B.S., Mississippi, 1906; M.D., Tulane, 1911; Interne, St. Vincent's Hospital, Birmingham, 1911-12; Graduate student Tulane and U. S. Marine Hospital, 1913-14; Bacteriologist, State Laboratory of Hygiene, 1914-15; Associate Professor of Hygiene, Wisconsin, 1915-25; Professor of Hygiene, Wisconsin, 1925-. Director, State Laboratory of Hygiene, 1915-. Member, Society Bacteriologists. Clinical Pathologist, State of Wisconsin General Hospital, 1924.

WALTER EDWARD SULLIVAN, Professor of Anatomy.

A.B., Bates College, 1907; A.M., Brown University, 1909; Ph.D., 1912. Instructor in Anatomy, Western Reserve University, 1911; Assistant Professor, Marquette University, 1913-15; Professor, Tufts College, 1915-20; Assistant Professor of Anatomy, Wisconsin, 1920-24; Associate Professor, 1924-25. Member, Association of Anatomists. Professor of Anatomy, 1925.

ROBERT VAN VALZAH, Professor of Clinical Medicine.

A.B., Princeton, 1904; M.D., Pennsylvania, 1908; Interne, Children's Hospital, Atlantic City, 1907-08; St. Christopher's, Philadelphia, 1908-09; Resident, University of Pennsylvania Hospital, 1908-10; Instructor Clinical Medicine, Wisconsin, 1910-11; Assistant Professor, 1911-13; Associate Professor, 1913-18; Professor, 1918-. Physician, S.A.T.C., 1917-18; Chief of Student Health Service, Wisconsin, 1918-24; Associate Physician, State of Wisconsin General Hospital, 1924-.

THEODORE HIERONYMUS BAST, Associate Professor of Anatomy.

A.B., Ripon College, 1912; Ph.D., University of Chicago, 1922; Fellow in Anatomy, University of Chicago, 1918-19; Instructor, Rush Medical College, 1919-20; Member, Association of Anatomists; Assistant Professor, University of Wisconsin, 1920-25; Associate Professor, 1925-.

ALBERT STURGIS CRAWFORD, Associate Professor of Surgery.

B.S., Pomona College, 1910; M.D., Cornell University Medical College, 1915; Interne, Lane Hospital, San Francisco, 1915-16; New Haven Hospital, 1916-17; Anatomist and Surgeon, Yale in China, Changsha, Hunan, China, 1917-20; Professor of Surgery, Yale in China, 1920-21; Fellow and First Assistant, Mayo Clinic, 1921-24; Associate, 1924; Associate Professor of Surgery, Wisconsin, 1924-. Associate Surgeon in charge of Neural Surgery, State of Wisconsin General Hospital, 1924-.

PERCY MILLARD DAWSON, Associate Professor of Physiology.

A.B., Johns Hopkins, 1894; M.D., Johns Hopkins, 1898; Assistant in Physiology, 1899-1900; Instructor, 1900-01; Associate 1901-04; Associate Professor, 1904-09; Instructor in Physiology, Wisconsin, 1913-16; Member, Physiological Society; Assistant Professor of Physiology, Wisconsin, 1916-25; Associate Professor, 1925-.

JAMES CLAUDE ELSOM, Associate Professor of Physical Education and Physio-Therapy.

M.D., Medical College of Virginia, 1886; Associate Professor of Physical Education, Wisconsin, 1894-; Director of Department of Physio-Therapy, Walter Reed Hospital, 1917-18; Director, Physio-Therapy, U. S. A. General Hospital No. 3, Rahway, N. J. 1919; Physio-Therapist, Wisconsin General Hospital, 1920-.

BENJAMIN HARRY HAGER, Associate Professor of Surgery.

B.S., University of Chicago, 1915; M.D., Rush Medical College, 1917; U. S. Naval Medical School and Hospital, 1917-18; Medical Officer, U. S. Navy, 1917-20; Medical Director Hospital Militar, Santa Domingo (supervision, U. S. government), 1920-22; Fellow in Urology, Mayo Foundation, 1922-25; Assistant in Pharmacology, Chicago, 1914-17; Assistant in United States Medical School, 1917; Student of Tropical Medicine and Urology, Santa Domingo, West Indies, 1918-22; Member, Urological Association; Associate Professor of Surgery Wisconsin, 1924-. Associate Surgeon and Urologist, State of Wisconsin General Hospital, 1924-.

CHAUNCEY DEPEW LEAKE, Associate Professor of Pharmacology.

B.A., Princeton, 1917; M.A., Wisconsin, 1920; Ph.D., Wisconsin, 1923; Sergeant, U.S.A., 1917-18; Member, Society Pharmacologists, Society Physiologists; Instructor in Physiology, Wisconsin, 1921-23; Assistant Professor of Pharmacology, Wisconsin, 1923-25; Associate Professor of Pharmacology, 1925-. Associate Pharmacologist, Wisconsin General Hospital.

EDGAR MATHIUS MEDLAR, Associate Professor of Pathology.

B.Sc., Doane College, 1908; M.A., Nebraska, 1911; M.D., Harvard, 1913; Assistant Pathologist, Pathological Laboratory, Boston City Hospital, 1914-1917; Instructor of Pathology and Bacteriology, Dartmouth Medical School, 1913-14; Assistant Professor of Pathology, Army Medical School, 1918-19; Pathologist, University Hospital, University of Iowa, 1919-20; Professor of Pathology, University of Tennessee Medical School, 1920-21; Acting Head, Department of Pathology and Bacteriology, University of Iowa, 1921-22; Special Lecturer in Pathology, Albany Medical School, 1922-24; Associate Professor of Pathology, Wisconsin, 1924-. Member, Association of Pathologists and Bacteriologists. Associate Pathologist, Wisconsin General Hospital, 1924-.

WILLIAM SHAINLINE MIDDLETON, Associate Professor of Medicine.

M.D., University of Pennsylvania, 1911; Instructor in Clinical Medicine, Wisconsin, 1912-15; Assistant Professor, Wisconsin, 1915-23; Associate Professor, 1923-25; Associate Professor of Medicine, 1925-. Captain, M.O.R.C., 1917-19. Consultant in Tuberculosis, U. S. Veteran's Bureau; Associate Physician, State of Wisconsin General Hospital.

ELMER SEVRINGHAUS, Associate Professor of Physiological Chemistry.

B.A., Wisconsin, 1916; M.A., Wisconsin, 1918; M.D., Harvard, 1921; Assistant in Chemistry, Wisconsin, 1916; Assistant in Physiological Chemistry, Wisconsin, 1917-19; Assistant Professor of Physiological Chemistry, 1921-25; Associate Professor of Physiological Chemistry, Wisconsin, 1925-. Member, Society Biological Chemists, American Chem. Soc.; Chemist, State of Wisconsin General Hospital.

WILLIAM JEFFERSON BLECKWENN, Assistant Professor of Neuro-Psychiatry.

B.S., Wisconsin, 1917; M.D., Columbia, 1920; Interne, Bellevue Hospital, New York City; Instructor, Neuro-Psychiatry, 1924-25; Assistant Professor, 1925-. Assistant Director, Wisconsin Psychiatric Institute, 1925-; Associate Neurologist, State of Wisconsin General Hospital, 1924-.

HOBART WILLIAM CROMWELL, Assistant Professor of Bacteriology.

A.B., Indiana State Normal, 1917; D.Sc., Johns Hopkins School of Hygiene, 1922; Instructor in Bacteriology, Wisconsin, 1922-25; Assistant Professor of Bacteriology, Wisconsin, 1925-.

FREDERICK DENKMAR GEIST, Assistant Professor of Anatomy.

M.D., Tufts College Medical School, 1920; Member, Association of Anatomists; Instructor in Anatomy, Wisconsin, 1920-25; Assistant Professor of Anatomy, 1925-.

JOHN EUGENE GONCE, JR., Associate in Pediatrics.

A.B., University of Delaware, 1913; M.D., University of Pennsylvania, 1918; Interne, University Hospital, Philadelphia, 1918-19; Graduate Student in Pediatrics, Children's Hospital, Philadelphia, 1922-23; and Johns Hopkins Hospital, Harriet Lane Home, 1923; Instructor of Clinical Medicine, 1919-25; Associate in Pediatrics, 1925-. Associate Pediatrician, State of Wisconsin General Hospital, 1925-.

SARAH ISABELLE MORRIS, Assistant Professor of Clinical Medicine.

M.D., Women's Medical College of Pennsylvania, 1910; Interne, Philadelphia Hospital, 1910-11; Medical Advisor to Women, Wisconsin, 1911-13; Instructor Clinical Medicine, Wisconsin, 1913-15; Assistant Professor of Clinical Medicine, Wisconsin, 1915-. Associate Physician, Student Health Service.

CLARENCE WEINERT MUEHLBERGER, Assistant Professor of Toxicology.

B.S., Armour Institute of Technology, 1920; M. S., Wisconsin, 1922; Ph.D., Wisconsin, 1923; State Toxicologist; Member American Chemical Society, Electro-Chemical Society; Assistant Professor of Toxicology, 1925-.

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HANS REESE, Assistant Professor of Neuro-Psychiatry.

M.D., University of Kiel, Germany, 1918; First Assistant and Resident of the Navy Hospital at Kiel. Department of Dermatology and Syphilology, 1917-18; Assistant in Pathology, 1918-19; Assistant at the Neurological Clinic, 1919-22; Assistant of the Department of Internal Medicine, 1922-23; Senior Assistant of the Research Department, Wisconsin Psychiatric Institute, 1924-; Assistant Professor of Neuro-Psychiatry, 1925-; Associate Neuro-Psychiatrist, Wisconsin General Hospital, 1924-.

MARK JOHN BACH, Instructor in Clinical Medicine.

B.S., Wisconsin, 1921; M.D., Pennsylvania, 1923; Interne, Post-Graduate School, University of Philadelphia, 1923; Resident in Medicine, Wisconsin General Hospital, 1924-. Instructor in Clinical Medicine, 1925-.

IRMA BACKE, Instructor in Clinical Medicine.

M.D., Minnesota, 1924; Interne, New York Infirmary, New York City, 1924-25; Instructor in Clinical Medicine, 1925-.

HARRY BAERNSTEIN, Instructor in Physiological Chemistry.

B.S., Wisconsin, 1921.

ROBERT EMMETT BURNS, Instructor in Orthopedic Surgery.

B.S., Wisconsin, 1917; M.D., Pennsylvania, 1919; Interne, St. Mary's Hospital, Madison, 1919-21; Mayo Clinic, 1922-23. Resident in Surgery, State of Wisconsin General Hospital, 1924-. Instructor in Orthopedic Surgery, 1925-.

MEAD BURKE, Instructor in Pathology.

B.A., Wisconsin, 1917; Instructor in Physical Education, Wisconsin, 1920-; Instructor in Pathology, 1925-.

CHARLES CORYDON EADES, Instructor in Pathology.

M.D., Michigan, 1925; Instructor in Pathology, 1925-.

IVAN GEORGE ELLIS, Instructor in Clinical Medicine.

B.S., Wisconsin, 1922; M.D., Rush, 1924; Interne, Evanston Hospital, 1924-25; Assistant Physician, Student Health Service, 1925-. Instructor in Clinical Medicine, 1925-.

HARRY VICTOR GIBSON, Instructor in Physiological Chemistry.

M.D., Washington University, 1921; Chemical Research, 1924-25;
Associate Clinician, Psychiatric Institute, 1925-. Instructor 1925.

JEROME REED HEAD, Instructor in Surgery.

A.B., Wisconsin, 1914; M.A., Wisconsin, 1915; M.D., Harvard,
1922; Interne, Peter Bent Brigham Hospital, 1923; Resident in
Surgery, State of Wisconsin General Hospital, 1924-. Instructor in
Surgery, 1925-.

FRANCES ELIZABETH HOLFORD, Instructor in Bacteriology.

B.A., Wisconsin, 1923; M.A., Wisconsin, 1924; Assistant in
Bacteriology, Wisconsin, 1921-23; Instructor, 1923-.

VOLNEY BUTMAN HYSLOP, Instructor in Surgery.

M.D., Washington, 1923; Interne St. Mary's Hospital, Madison,
1923-24; Resident in Ophthalmology and Otolaryngology, State of
Wisconsin General Hospital, 1924-. Instructor in Surgery, 1925-.

RALPH EARL JONES, Instructor in Pharmacology.

B.A., Wisconsin, 1925; Student Assistant, 1924-25; Instructor,
1925-.

RUSSELL LA BIER, Instructor in Clinical Medicine.

B.A., Illinois, 1920; M.D., Rush, 1924; Interne, Presbyterian
Hospital, Chicago, 1924-25; Assistant Physician, Student Health
Service, 1925-.

FORREST DRAPER MCCREA, Instructor in Physiology.

B.S., Purdue University, 1918; M.S. Illinois, 1920; Industrial
Bacteriologist, 1918-19; Assistant in Physiology, Illinois, 1920-23;
Instructor in Physiology, 1923-.

LESTER MCGARY, Instructor in Clinical Pathology.

B.S., Wisconsin, 1922; M.D., Tulane, 1924; Associate Clinical
Pathologist to State of Wisconsin General Hospital, 1924-. In-
structor, 1924-.

ROBERT BRESEE MONTGOMERY, Instructor in Clinical Medicine.

B.S., Wisconsin, 1919; M.D., Northwestern, 1921; Interne, Grace Hospital, Detroit, 1921, Madison General, 1922; Assistant Physician, Student Health Service, 1925-. Instructor in Clinical Pathology, 1923-25. Instructor in Clinical Medicine, 1925-.

HARLAND WINFIELD MOSSMAN, Instructor in Anatomy.

B.S., Alleghany, 1914; M.S., Wisconsin, 1922; Ph.D., Wisconsin, 1924; Laboratory Assistant, Alleghany, 1919-20; Assistant in Zoology, Wisconsin, 1920-24; Instructor in Anatomy, Wisconsin, 1924-.

CARROLL WILCOX OSGOOD, Instructor in Anatomy.

B.S., 1922; Instructor 1922-.

WESLEY THEODORE POMMERENKE, Instructor in Physiology.

B.A., Kansas, 1922; M.A., Kansas, 1923; Research Assistant Zoology, 1924-25. Instructor in Physiology, 1925-.

KARVER LOUIS PUESTOW, Instructor in Clinical Medicine.

B.S., Wisconsin, 1919; B.M., Minnesota, 1921; M.D., Minnesota, 1922; Instructor in Clinical Medicine, Wisconsin, 1922-23; 1924-.

GERALD SHAW, Instructor in Anatomy.

Student Assistant in Anatomy, Wisconsin, 1924-25; Instructor, 1925-.

LINDLEY VINCENT SPRAGUE, Instructor in Clinical Medicine.

M.D., Detroit College of Medicine and Surgery, 1923; Assistant Physician, Student Health Service, 1925-; Instructor in Clinical Medicine, 1925-.

KATE STALEY, Instructor in Physiology.

B.A., Wells, 1914; Instructor in Physiology, Wisconsin, 1924-.

WARREN STRATMAN-THOMAS, Research Chemist in Pharmacology.

B.A., Wisconsin, 1924; M.A., Wisconsin 1925; Student Assistant in Bacteriology, Wisconsin, 1923-24; Research Chemist in Pharmacology, 1924-.

JOHN ALLEN WILSON, Instructor in Physiology.

A.B., Ripon, 1922; M.A., Wisconsin, 1924; Instructor in Physiology, 1924-.

Clinical Staff

GEORGE VAN INGEN BROWN, Professor of Plastic Surgery.

D.D.S., Pennsylvania College Dental Surgery, Philadelphia, 1881; M.D., Milwaukee Medical College, 1895; M.D., Marquette, 1909; Dean of Dental Department, Milwaukee Medical College, 1898-1902; Special Lecturer on Oral Surgery, University of Illinois, 1902-03; University of Iowa, 1903-04; University of Tennessee, 1904; Vanderbilt University, 1905; Professor Oral Surgery and Oral Pathology, State University of Iowa, 1904-10. Professor of Plastic Surgery, Wisconsin, 1925. In charge, Section of Plastic and Oral Surgery in the office of the Surgeon General during the World War. Organized School of Plastic and Oral Surgery at Fort Oglethorpe, Ga., 1918. In charge of Plastic and Oral Surgical reconstruction work for returned soldiers at U. S. General Hospital, No. 11, and Walter Reed Hospital. President, Tri-State Medical Society, 1920-21; Member, American College of Surgeons. Professor of Plastic Surgery, 1925-; Plastic Surgeon, Wisconsin General Hospital, 1920-.

FREDERICK ALLISON DAVIS, Professor of Ophthalmology and Otolaryngology.

M.D., Pennsylvania, 1909; Interne, University of Pennsylvania Hospital, 1909-11; Resident, New York Eye and Ear Infirmary, 1911-14; Graduate Study, Vienna, 1914; Harvard, 1921; Pennsylvania, 1922; Captain, Medical Reserve Corps, 1918; Professor of Ophthalmology and Otolaryngology, Wisconsin, 1925-. Ophthalmologist and Otolaryngologist, Wisconsin General Hospital, 1920-.

OTTO HOTTINGER FOERSTER, Professor of Dermatology.

M.D., Pennsylvania, 1898; Interne, Howard Hospital, Philadelphia, 1899; Graduate work, University of Vienna, 1900-01; University of Pennsylvania, 1901-02; Polyclinic Hospital, Philadelphia, 1903-05; Berlin, Germany, 1913. Member, American Dermatological Association and the American Roentgen-Ray Society. Professor of Dermatology, University of Wisconsin, 1925-; Dermatologist, Wisconsin General Hospital, 1920-.

FREDERICK JULIUS GAENSLEN, Professor of Orthopedic Surgery.

B.Sc., Wisconsin, 1899; M.D., Johns Hopkins, 1903; Assistant Professor of Orthopedic Surgery, Marquette, 1917-18; Director

and Associate Professor, Department of Orthopedic Surgery, Marquette, 1918-20; Orthopedic Surgeon and Chief-of-Staff, Milwaukee Children's Hospital. Member of American Orthopedic Association and American College of Surgeons. War Advisory Committee. Chairman, Section of Orthopedic Surgery, American Medical Association, 1925. Professor of Orthopedic Surgery, 1925-; Orthopedic Surgeon, Wisconsin General Hospital, 1920-.

HUGH PAYNE GREELEY, Clinical Professor of Medicine.

A.B., Harvard, 1906; M.D., Harvard, 1909; Interne, Massachusetts General Hospital, 1909-10; Bellevue Hospital, 1910; Special Study, Vienna, 1913; Physician, Madison General Hospital; Lecturer, Wisconsin, 1917-25; Clinical Professor of Medicine, 1925-; Associate Physician, Wisconsin General Hospital, 1924-.

RAY CARRINGTON BLANKINSHIP, Associate Professor of Clinical Medicine.

M.D., Medical College of Virginia, 1914; Interne, Kings County Hospital, 1914-15; Instructor in Clinical Medicine, 1919-21; Assistant Professor, 1922-25; Associate Professor, 1925-. Member of the American College of Physicians. Associate Physician, Wisconsin General Hospital, 1924-.

HORACE KENT TENNEY, JR., Associate in Pediatrics.

M.D., Northwestern, 1919; Interne, Evanston Hospital, 1919-20; Post-graduate work in Pediatrics, Michael Reese Hospital, Instructor Clinical Medicine, Wisconsin, 1920-25; Associate in Pediatrics, 1925-; Associate Pediatrician, Wisconsin General Hospital, 1925-.

ROY ALEXANDER BARLOW, Associate in Rhinology.

B.A., Michigan, 1912; M.D., Michigan, 1914; Interne, University of Michigan Hospital, 1914-16; Associate Otolaryngologist, Mayo Clinic, 1917-22; Assistant Professor of Otolaryngology, University of Minnesota, Mayo Foundation Graduate School, 1917-22; Member of the American Academy of Ophthalmology and Otolaryngology, the American Laryngological, Rhinological and Otolological Society, and of the American College of Surgeons; Otolaryngologist, Madison Methodist Hospital. Associate in Rhinology, 1925-. Associate Rhinologist, Wisconsin General Hospital, 1924-.

RICHARD LESLIE BOWER, Associate in Otolaryngology.

B.D.S., Northwestern, 1915; M.D., Northwestern, 1920; Interne, Michael Reese, 1919-20; Cook County Hospital, 1920-21; -23-24; Resident Herman Knapp Memorial Hospital, New York, 1922-23; Graduate work, Harvard, 1925. Associate in Otolaryngology; Associate Otolaryngologist, Wisconsin General Hospital, 1924-.

CARL SAMUEL HARPER, Associate in Obstetrics.

B.S., Wisconsin, 1914; M.D., Pennsylvania, 1916; Interne, Kings County Hospital, 1916-18; Associate in Obstetrics, 1925-. Associate Obstetrician, Wisconsin General Hospital, 1924-.

ROSCOE LYLE MCINTOSH, Associate in Dermatology.

B.S., Wisconsin, 1919; M.D., Washington University, 1921; Interne, Wisconsin General Hospital, 1921; Graduate student, Barnard Skin and Cancer Hospital, St. Louis, 1921-23; Diploma in Dermatology, London School of Dermatology, 1924. Associate in Dermatology, 1925-. Associate Dermatologist, Wisconsin General Hospital, 1924-.

EZRA EUGENE NEFF, Associate in Ophthalmology.

B.A., Emory and Henry, 1912; M.D., Virginia, 1916; Interne, University of Virginia Hospital, 1916-17; Captain, U. S. Army, 1917-18; Graduate Study, New York Eye and Ear Infirmary, 1919-21; Associate in Ophthalmology, 1925-; Associate Ophthalmologist, Wisconsin General Hospital, 1924-.

WELLWOOD MACH NESBIT, Associate in Rhinology.

M.D., Rush, 1917; Interne, Presbyterian Hospital, 1917-18; Barnes Hospital, St. Louis, 1918-19; 1st Lieutenant, United States Army, 1919-20; Nose and Throat Service, Washington University, 1920-23; Associate in Neurology, 1925-. Associate Laryngologist, Wisconsin General Hospital, 1924-.

EDWIN FRANCIS SCHNEIDERS, Associate in Obstetrics.

B.S., Wisconsin, 1919; M.D., Harvard, 1921; Interne, Massachusetts General Hospital, 1921-22; Instructor Clinical Medicine, Wisconsin, 1922-23; Associate in Obstetrics, 1925-; Associate Obstetrician, Wisconsin General Hospital, 1924-.

IRA ROSCOE SISK, Associate in Urology.

M.D., Tennessee, 1916; Interne, Madison General Hospital, 1916-18; Fellow in Urology, Mayo Clinic, 1919-21; Member of American Urological Association; Associate in Urology, 1925-; Associate Urologist, Wisconsin General Hospital, 1924-.

LOUIS FAUERBACH, Instructor in Clinical Pathology.

B.S., Wisconsin, 1918; M.D., University and Bellevue Hospital Medical College, 1920; Interne, Bellevue Hospital, 1918-19; St. Mary's Hospital, 1920-21; Physician, St. Mary's Hospital. Secretary Dane County Medical Society; Instructor, 1925-.

OLIVER OTTO NELSON, Instructor in Clinical Pathology.

A.B., Wisconsin, 1912; M.D., Rush, 1913; Interne, Deaconess Hospital, Chicago, 1913-14; Post-Graduate School, Chicago, 1923; Instructor in Bacteriology, Wisconsin, 1907-11; Instructor, Clinical Pathology, 1925-.

Associate Clinical Staff

CARL HENRY DAVIS, Consultant in Obstetrics.

B.A., Oregon, 1905; B.Sc., Chicago, 1906; M.D., Rush, 1909; Lecturer on Obstetrics and Gynecology, Extension Division, University of Wisconsin; Obstetrician and Gynecologist, Columbia and Milwaukee County Hospitals. Major, M.O.T.C.; Member of the American Gynecological Society and of the American College of Surgeons. Secretary, Section on Obstetrics, Gynecology and Abdominal Surgery, American Medical Association. Consultant in Obstetrics, 1924-.

JOSEPH DEAN, Clinical Professor of Surgery.

M.D., Illinois, 1902; Interne, Cook County Hospital, 1902-04. Member of the American College of Surgeons, Member of the Wisconsin State Board of Health; Lecturer on Surgery, 1915-25; Clinical Professor of Surgery, 1925-. Surgeon, St. Mary's Hospital.

CORNELIUS A. HARPER, Lecturer on Hygiene.

B.S., Wisconsin, 1889; M.D., George Washington University Medical School, 1893; Secretary, State Board of Health; Lecturer on Hygiene, 1925-.

REGINALD HENRY JACKSON, Clinical Professor of Surgery.

M.D., Columbia University, 1899; Presbyterian Hospital, 1899-1901; Member of Western Surgical Association and of the American College of Surgeons; Lecturer on Surgery, 1915-25; Clinical Professor of Surgery, 1925-. Surgeon and Chief of Staff, Madison Methodist Hospital.

THOMAS WILLIAM TORMEY, Clinical Professor of Surgery.

B.S., Wisconsin, 1899; M.D., Rush, 1902; Interne, St. Luke's Hospital, Chicago, 1902-04; Member of American College of Surgeons; Lecturer in Surgery, 1915-25; Clinical Professor of Surgery, 1925-. Surgeon, Madison General Hospital.

GEORGE HIRAM ROBBINS, Assistant Clinical Professor of Medicine.

B.S., Wisconsin, 1913; M.D., Rush, 1915; Interne, Cook County Hospital, 1915-17; Instructor Clinical Medicine, Wisconsin, 1917-19; Assistant Professor, 1919-22; Lecturer, 1922-25; Assistant Clinical Professor, 1925-; Physician, St. Mary's Hospital, Madison.

JAMES P. DEAN, Clinical Associate in Surgery.

B.S., Wisconsin, 1911; M.D., University of Pennsylvania, 1913; Interne, St. Mary's Hospital, New York City, 1913-15; Clinical Associate, 1921-; Captain, Field Hospital, 127; Member of American College of Surgeons. Surgeon, St. Mary's Hospital, Madison.

DAMON ALONZO BROWN, Clinical Associate in Medicine.

B.S., Wisconsin, 1913; M.D., Washington University, 1915; Interne, St. Luke's Hospital, St. Louis, 1915-16; Student, Externe Mulanthy Hospital, St. Louis; Instructor Clinical Medicine, 1922-25; Clinical Associate in Medicine, 1925-; Urologist, Methodist Hospital.

HOMER McCLELLAND CARTER, Clinical Associate in Pediatrics.

M.A., Wisconsin, 1913; M.D., Rush, 1915; Interne, Children's Memorial Hospital, Chicago, 1915; Adult Interneship, Cincinnati General Hospital, 1916; Pediatrician, Wisconsin General Hospital. 32nd Division, 21 months, Captain, Field Hospital. Member Central States Pediatric Society; Clinical Associate in Medicine, 1921-25; Clinical Associate in Pediatrics, 1925; Pediatrician, Madison General Hospital.

JAMES ALBERT JACKSON, Clinical Associate in Surgery.

M.D., Columbia, 1911; Interne, Bellevue Hospital, 1910-11; Clinical Associate, 1921-; Surgeon, Madison Methodist Hospital.

HARRY MAXWELL KAY, Clinical Associate in Medicine.

M.D., Chicago College of Medicine and Surgery, 1908; Interne, Augustana Hospital, Chicago, 1908; Madison General, 1909; Physician, Madison General Hospital. Captain, Medical and Surgical Service, U. S. Army, 1917-18; Clinical Associate, 1922-; Obstetrician, Madison General Hospital.

ARTHUR G. SULLIVAN, Clinical Associate in Surgery.

M.D., Columbia, 1909; Clinical Associate, 1925-; Surgeon, Madison General Hospital.

ALBERT ROBERT TORMEY, Clinical Associate in Surgery.

B.A., Wisconsin, 1914; M.D., Washington University, 1917; Interne, Barnes Hospital, 1917-18; Lieutenant, United States Army, 1918-19; Interne, Augustana Hospital; Clinical Associate, 1921-; Surgeon, Madison General Hospital.

EUGENE SHAW SULLIVAN, Clinical Instructor in Surgery.

M.D., Columbia, 1920; Interne, St. Luke's Hospital, New York City, 1918-19; Kings County Hospital, Brooklyn, 1918; President, Dane County Medical Society; Clinical Instructor in Surgery, 1925-; Surgeon, Madison General Hospital.

JOE NEWTON SISK, Clinical Instructor in Radiology.

B.Sc., Texas Christian University, 1921; M.D., Baylor University College of Medicine, 1921; Interne, Knights Templar Hospital, Arlington, Texas, 1920-21; Member of the Radiological Society of North America; Radiologist, St. Joseph's Infirmary, Fort Worth, 1921-22; Instructor in Roentgenology, 1925-. Radiologist, Methodist Hospital.

Clinical Assistants

THEODORE WHITNEY KLEIN, Clinical Assistant in Ophthalmology.

M.D., Marquette, 1923; Interne, Madison General Hospital, 1924-25.

Student Assistants

HERBERT P. BENN, Student Assistant in Physiology.

MARSHALL BOUDRY, Student Assistant in Anatomy.

LATHAN A. CRANDALL, Student Assistant in Physiology.

CHALMER DAVEE, Student Assistant in Anatomy.

PAUL ESCHWEILER, Student Assistant in Anatomy.

FRANCES HELLEBRANDT, Student Assistant in Anatomy.

PAUL HEMPHILL, Student Assistant in Anatomy.

SAM HENKE, Student Assistant in Anatomy.

JOSEPH MARKS, Student Assistant in Physiological Chemistry.

OTTO MORTENSON, Student Assistant in Anatomy.

HARRY VANDER KAMP, Student Assistant in Anatomy.

OTIS N. WILSON, Student Assistant in Pathology & Bacteriology.

The Executive Committee of Medical School

| | |
|-------------------------------------|------------------------|
| C. R. BARDEEN, M.D., Chair- man. | C. A. HEDBLOM, M.D. |
| R. C. BUECKI, M.D. | A. S. LOEVENHART, M.D. |
| C. H. BUNTING, M.D. | W. F. LORENZ, M.D. |
| J. S. EVANS, M.D. | W. J. MEEK, Ph.D. |
| J. A. E. EYSTER, M.D. | W. D. STOVALL, M.D. |

WISCONSIN GENERAL HOSPITAL**Executive Committee**

| | |
|-----------------------------------|---------------------|
| C. R. BARDEEN, M.D. | J. D. PHILLIPS |
| J. S. EVANS, M.D. | C. A. HEDBLOM, M.D. |
| and | |
| R. C. BURKI, M.D., Superintendent | |

Medical Staff*General Medicine*

J. S. EVANS, Physician.
 R. VAN VALZAH, Associate Physician.
 W. S. MIDDLETON, Associate Physician.
 R. C. BLANKINSHIP, Associate Physician.
 J. A. E. EYSTER, Associate Physician.
 H. P. GREELEY, Associate Physician.
 MARK J. BACH, Resident Physician.

General Surgery

C. A. HEDBLOM, Surgeon.
 A. S. CRAWFORD, Associate Surgeon.
 B. H. HAGER, Associate Surgeon.
 J. R. HEAD, Resident Surgeon.

Dermatology

O. H. FOERSTER, Dermatologist.
 R. L. MCINTOSH, Associate Dermatologist.

Neuro-Psychiatry

W. F. LORENZ, Neuro-Psychiatrist.
W. J. BLECKWENN, Associate Neuro-Psychiatrist.
HANS REESE, Associate Neurologist.

Ophthalmology and Otolaryngology

F. A. DAVIS, Ophthalmologist and Otolaryngologist
ROY A. BARLOW, Associate Rhinologist.
R. L. BOWER, Associate Otolaryngologist.
E. E. NEFF, Associate Ophthalmologist
W. M. NESBIT, Associate Laryngologist.
V. B. HYSLOP, Resident Physician.
T. W. KLEIN, Clinical Assistant.

Orthopedics and Plastic Surgery

F. J. GAENSLEN, Orthopedic Surgeon.
G. V. I. BROWN, Plastic Surgeon.
ROBERT BURNS, Resident Surgeon.

Obstetrics

C. S. HARPER, Associate Obstetrician.
E. F. SCHNEIDERS, Associate Obstetrician.
C. H. DAVIS, Consultant.

Pediatrics

J. E. GONCE, Associate Pediatrician.
H. K. TENNEY, Associate Pediatrician.

Urology

B. H. HAGER, Urologist.
IRA SISK, Associate Urologist.

Physio-Therapy

J. C. ELSOM, Physiotherapist.

Laboratories

Pathology and Bacteriology

C. H. BUNTING, Pathologist.
E. M. MEDLAR, Associate Pathologist.
P. F. CLARK, Bacteriologist.

Clinical Pathology

W. D. STOVALL, Clinical Pathologist.
L. W. MCGARY, Associate Clinical Pathologist.

Chemistry

ELMER SEVRINGHAUS, Chemist.

Pharmacology

A. S. LOEVENHART, Pharmacologist.
C. D. LEAKE, Associate Pharmacologist.

Student Health Service

WM. A. MOWRY, Physician-in-Chief.
S. I. MORRIS, Associate Physician.
IRMA. BACKE, Assistant Physician.
IVAN ELLIS, Assistant Physician.
R. B. MONTGOMERY, Assistant Physician.
K. L. PUESTOW, Assistant Physician.
L. V. SPRAGUE, Assistant Physician.
RUSSELL LA BIER, Assistant Physician.

Nursing Staff

HELEN I. DENNE, R.N., Superintendent of Nurses, Director
School of Nursing.
LILA B. FLETCHER, R.N., Assistant Superintendent and Assistant
Director.

Other Officers

E. KUENZI, Pharmacist.
 A. LINDBERG, Technician in Radiology.
 VIOLA MAAG, Dietitian.
 EUGENA MARTIN, Associate Dietitian.
 LEO SCHMELZER, Accountant.
 ANNE FITZGERALD, Anaesthetist.

MEDICAL EXTENSION DIVISION**Executive Committee**

LOUIS E. REBER

Dean University Extension Division

C. R. BARDEEN, Dean of the Medical School.
 JOSEPH S. EVANS, Professor of Medicine.

Members of the Staff

1924-25

Internal Medicine

R. C. BLANKINSHIP, M.D.
 JOSEPH S. EVANS, M.D.
 J. A. E. EYSTER, M.D.
 H. P. GREELEY, M.D.
 CHARLES E. IDE, M.D.
 OSCAR LOTZ, M.D.
 WM. S. MIDDLETON, M.D.
 A. J. PATEK, M.D.

Obstetrics and Gynecology

ROLAND S. CRON, M.D.
 CARL HENRY DAVIS, M.D.
 W. K. GRAY, M.D.
 CARL S. HARPER, M.D.
 J. P. MCMAHON, M.D.
 HAROLD W. SHUTTERS, M.D.

Physical Therapeutics

J. C. ELSOM, M.D.

Pediatrics

J. GURNEY TAYLOR, M.D.
 H. K. TENNEY, M.D.

Metabolic Diseases

ELMER L. SEVRINGHAUS, M.D.

Dermatology and Syphilis

O. H. FOERSTER, M.D.

Pharmacology

C. D. LEAKE, Ph.D.

A. S. LOEVENHART, M.D.

Neurology and Psychiatry

W. J. BLECKWENN, M.D.

Clinical Physiology

FRED J. HODGES, M.D.

Genito-Urinary Diseases

ALBERT G. JENNER, M.D.

*Physiology and Medical
Education*

WALTER J. MEEK, Ph.D.

Orthopedics

F. J. GAENSLEN, M.D.

H. C. SCHUMM, M.D.

Diseases of the Eye

F. A. DAVIS, M.D.

Laboratory Diagnosis

W. D. STOVALL, M.D.

*Disease of Ear, Nose,
and Throat*

H. B. HIRTZ, M.D.

Address communications to The Dean, University Extension
Division, The University of Wisconsin, Madison, Wisconsin.

STATE LABORATORY OF HYGIENE*Committee in Charge*

C. A. HARPER, M.D., State Health Officer.

W. F. WHYTE, M.D., President of the State Board of Health.

GLENN FRANK, LL.D., President of the University.

C. R. BARDEEN, M.D., Dean of the Medical School.

Laboratory Staff

W. D. STOVALL, M.D., Director.

E. J. TULLY, State Sanitary Engineer.

M. S. NICHOLS, Chemist.

EMERALD SCHEID, Assistant Bacteriologist.

LOUISE RICKEMAN, Assistant Bacteriologist.

VERA VINCENT, Assistant Chemist.

ALMA GEIDEL, Secretary.

STATE PSYCHIATRIC INSTITUTE*Committee of Supervision*

COL. JOHN J. HANNAN, President of Board of Control.
JOHN D. MORISSEY, Vice-President of Board of Control.
MRS. MARGARET HUTTON ABELS, Member Board of Control.
GLENN FRANK, LL.D., President of the University.
C. R. BARDEEN, M.D., Dean of the Medical School.
W. F. LORENZ, M.D., Director.

Laboratory Staff

W. F. LORENZ, M.D., Director.
W. J. BLECKWENN, Assistant Director.
HANS REESE, M.D., Associate in Neuro-Psychiatry.
H. V. GIBSON, M.D., Associate Clinician.
P. H. CARROLL, Chief Technician.
E. M. PIKE, Secretary.

STATE TOXICOLOGIST

C. W. MUEHLBERGER, Ph.D., State Toxicologist.
H. H. SCHRENK, Assistant Toxicologist.

GENERAL STATEMENT**ESTABLISHMENT OF THE MEDICAL SCHOOL**

The Medical School was established by act of the Legislature in 1907. Merely the first two years of the medical curriculum were then organized because there were not at that time sufficient clinical resources in Madison for a complete medical course. At a special session of the Legislature in 1920 an act was passed authorizing the establishment at the University, of the Wisconsin General Hospital as a memorial to those who served in the World War and for care of patients, teaching, and research. The new hospital building was opened for care of patients in October, 1924. This hospital has made possible the organization of a complete medical course at the university leading to an M.D. degree. The third year of the medical course will begin in 1925-26, the fourth in 1926-27.

AIMS AND METHODS

The aims of the Medical School are:

1. To encourage a thorough preliminary medical education, and to offer adequate facilities for a good preparation for clinical work.
2. To promote the development of preventive medicine and hygiene.
3. To stimulate research in the sciences upon which modern medicine is based.

Scientific medicine consists of the application of scientific knowledge and methods, not only to the cure or alleviation, but also to the prevention of disease. It requires a thorough mastery of the fundamental principles of physics, chemistry, and biology, as well as of the more specialized sciences of human anatomy, physiology, pathology, bacteriology, pharmacology, and toxicology. The progress of medicine and hygiene is largely dependent upon progress in these sciences. First-hand knowledge of them, acquired in laboratories under the direction of specialists, is essential for those who desire to treat disease and alleviate human suffering to the best advantage. With this knowledge and training the student can enter intelligently upon the study of the complex problems presented by the sick in dispensaries and hospital wards offering clinical training, and later in private practice. The methods employed in the various laboratories of the Medical School are designed to train the powers of quick observation, of accurate judgment, and of skillful execution, as well as to supply such knowledge of fundamental scientific facts and principles as is most necessary for clinical medicine.

The work in the preclinical sciences is under the direction of specialists who devote their whole time to teaching and investigation, and who are keenly interested in medical problems and progress. In each of the departments certain courses are required of all medical students; others are elective. The required courses are designed to insure a broad basis for clinical medicine. The elective courses aid the students to gain depth of insight and special skill in some one branch, and thus to become thorough as well as broad. The elective courses also offer excellent opportunities to graduates who wish to specialize in some one of the medical sciences and to physicians desiring to follow the

progress of these sciences, to prepare for public health work, or to undertake research.

The clinical part of the medical course is designed to offer practical training in the application of scientific knowledge to the prevention, cure and alleviation of disease. The third year of the medical course is devoted to a consideration of the broader aspects of clinical medicine and of the major medical specialties and to practical work in care of patients in the wards and outpatient departments of the Wisconsin General Hospital. This work is under the general direction of specialists who devote their whole time to care of patients, teaching, and research in the hospital. The teaching is supplemented by that of part-time men in some of the major specialties. Opportunity is offered for advanced work in the medical sciences as well as for training in routine procedures.

The fourth year of the medical course is designed to offer the students individual training in the art of medicine. Each student will be assigned as an apprentice to a series of preceptors in medicine, surgery, and the major specialties. The preceptors are to be selected on the basis of ability, experience, desire to teach, and clinical facilities available.

GRADUATE AND POST-GRADUATE INSTRUCTION

Graduate work may be defined as advanced work in a major department leading to the degree of Master of Science or of Doctor of Philosophy in that department. Graduate work of this character is offered in each of the departments of the Medical School. This work is carried out under the auspices of the Graduate School of the University. The regulations relating to work for the higher degrees are published in the Bulletin of the Graduate School. Questions relating to such degrees should be addressed to the Dean of the Graduate School.

Post-graduate work may be defined as study carried on after graduation with a view to increase one's knowledge or skill but without aiming at that special mastery in a given field of knowledge which would entitle one to a higher degree. Post-graduate courses offered by the university are of two kinds, intra-mural and extra-mural.

Intra-mural post-graduate clinical courses are those offered by the Medical School at the Wisconsin General Hospital. A course of this character in the use of insulin was offered in 1923-24. It is the intention of the Medical School to offer similar courses from time to time as may be called for.

Extra-mural post-graduate courses are designed to provide physicians residing in a given locality with practical demonstrations of the newer methods of diagnosing and treating disease. Clinics are held at a hospital conveniently located, illustrated lectures are given and opportunity is offered for consultation with specialists. Arrangements for these clinics and lectures may be made by co-operation between the local physicians under whose auspices the clinics and lectures are held, and the Extension Division of the University.

Other aids for post-graduate study furnished members of the medical profession in Wisconsin by the University include:

1. The loaning of books from the medical section of the University Library. So far as practicable books from the University Library should be borrowed through local libraries, but when this is impracticable such books may be borrowed directly by paying cost of transportation. The chief new medical books are reviewed in the Wisconsin Medical Journal and are then placed in the University Library whence they can be borrowed by members of the medical profession.

2. Packet libraries. The Extension Division of the University receives reprints from several of the leading medical journals. These reprints are bound up in packet volumes relating to various subjects of special interest and are available to physicians, who should address requests for pamphlets on a given subject directly to the Extension Division at Madison.

3. Models, charts, photographs, lantern slides, and moving picture films, relating to medicine and hygiene are kept in considerable numbers by the Extension Division and are available to physicians preparing papers for presentation before medical societies or for popular education in medicine and hygiene.

4. The State Laboratory of Hygiene (the laboratory of the State Board of Health) and the State Psychiatric Institute (the laboratory of the State Board of Control) are located at the University and are closely affiliated with the Medical School. These institutions not only furnish direct laboratory aid to physi-

cians but also do much to furnish practical post-graduate instruction.

SCIENTIFIC INVESTIGATION

It is desired that the facilities of the various laboratories of the Medical School be utilized to the greatest advantage in the investigation of the causes and prevention of disease both in man and animals. The laboratories of the Medical School are freely open to those engaged in such investigations and, so far as possible, aid will be given in carrying out investigation of this character either at the University or elsewhere in the state.

LABORATORY AND HOSPITAL FACILITIES

The teaching of the basal medical sciences, gross anatomy, histology, embryology, neurology, physiology, physiological chemistry, pharmacology, bacteriology, pathology, and hygiene is at present conducted in Science Hall, a large building erected in 1887 and now shared by the basal science departments of the Medical School and the department of Geology and Geography. The equipment of the laboratories is exceptionally good.

The major portion of the fundamental teaching of the clinical branches is conducted in the Wisconsin General Hospital. This hospital, recently completed and occupied, has a capacity of over 300 beds, with ample facilities for medicine, surgery, and the major specialties. Affiliated with it under University control are the Student Infirmary, with a capacity of 80 beds, and the Bradley Memorial Hospital, with a capacity of 40 beds, to be used at present for early neuro-psychiatric patients and for the Wisconsin Psychiatric Institute.

The Madison General Hospital, with a capacity of 125 beds, St. Mary's Hospital, soon to have a capacity of 150 beds, and the Methodist Hospital, with a present capacity of 40 beds but soon to erect a 100 bed addition, the city isolation hospital, with a capacity of 50 beds, and other nearby hospitals, offer abundant opportunity for supplemented clinical teaching by associate members of the clinical staff. Under the preceptor system proposed for the fourth year of the medical course it will, however, not be necessary to confine the clinical teaching to Madison. Some of it may be conducted in other medical centers.

ADMISSION REQUIREMENTS IN THE MEDICAL
SCHOOL

For matriculation in the Medical School a student must furnish evidence:

1. That he has satisfied the requirements for admission to the College of Letters and Science.

The requirements for admission to the College of Letters and Science are to be found in the University catalog. They are met by a four-year high school course which embraces certain groups of studies, including English, mathematics, and foreign language.

2. That he has completed at least the equivalent of two years' work, including the required Freshman English, in college.

Two years of work in the College of Letters and Science may be interpreted as meaning the completion of enough work to entitle the student to be registered in the junior class in that college.

3. That he has successfully pursued laboratory courses of college grade in physics, general and organic chemistry, biology and vertebrate embryology.

The requirements in physics, chemistry, and biology must be satisfied before a student matriculates in the Medical School. Provision is made for studying embryology (Anatomy 115) during the first year of the medical course, but the student is expected to take this study before matriculating.

In addition, students are advised to take a course in quantitative analysis (Chemistry 11a) and in comparative anatomy before beginning the medical work. Attention is called to the opportunities for work in science during the summer session.

4. That he has studied elementary Latin.

The requirement in Latin is ordinarily met by two years of high-school or by one year of college Latin. It is preferable to meet the requirement by high-school work.

5. That he has a reading knowledge of French or German.

The student must either meet the language requirements for the B.A. degree or, at the time of matriculating in the Medical School, present a certificate from the German Department or the Department of Romance Language of the University certifying his ability to read German or French.

ADMISSION TO ADVANCED STANDING

A student who has completed elsewhere work equivalent to that required for matriculation and to that of the first year of the medical curriculum, may be admitted to the second year of the medical course.

DEGREES

The Medical School grants the degree of Doctor of Medicine to students who complete the requirements of the four year course leading to this degree.

The College of Letters and Science grants the degree of Bachelor of Science (Medical Science Course) to students who complete two years of prescribed premedical work and the first two years of the medical course, and the degree of Bachelor of Arts to students who complete the requirements for this degree and at the same time elect work in the Medical School.

The graduate school offers the degrees of Master of Arts, Master of Science, Master of Public Health, Doctor of Philosophy, and Doctor of Public Health to students who complete the requirements for these degrees in the medical sciences.

Doctor of Medicine

The following course of study is required for the degree of Doctor of Medicine (M.D.).

First Year Medical Course

| | Course No. | Semester | Lectures and Recitations | Laboratory Hours | Credits |
|----------------------------------|---------------|----------|-----------------------------|---------------------|---------|
| Histology | Anat. 110 | I | 32 | 112 | 4 |
| Neural Anatomy | Anat. 126 | II | 32 | 112 | 4 |
| Gross Anatomy | Anat. 121 | yr. | 32 | 336 | 12 |
| Physiology | 105 | II | 64 | 96 | 7 |
| Physiological Chemistry | 104 | I | 20 | 124 | 4 |
| | | | 180 | 780 | 31 |

Second Year Medical Course

| | Course No. | Sem-ster | Lectures and Recitations | Laboratory Hours | Credits |
|--|---------------|---------------------|-----------------------------|---------------------|----------|
| Pathology | 101 | I, $\frac{1}{3}$ II | 64 | 192 | 7 |
| Physiology | 106 | I | 32 | | 2 |
| Public Health, Hygiene | 101 | I | 16 | 32 | 2 |
| Bacteriology | Path. 102 | I | 48 | 96 | 4 |
| Pharmacology .. | 104-105 | II | 64 | 48 | 4 |
| Physical Diagnosis Med. | 110 | I | 24 | 44 | 2 |
| Surgical Anatomy and Physiology Surg. | 101 | 1 | 8 | 20 | 1 |
| Clinical Laboratory Diagnosis Med. | 102 | $\frac{2}{3}$ II | 30 | 90 | 3 |
| Medical Diagnosis Med. | 111 | II | 16 | 64 | 3 |
| Surgical Clinics | Surg. 102 | II | | 64 | 1 |
| Surgery Elements Surg. | 103 | II | 16 | | 1 |
| | | | | | <hr/> 30 |

Required of candidates for a bachelor's degree: Thesis,
128 laboratory hours (4 credits).

| Course No. | Semester | Lectures and Recitations | Laboratory Hours | Credit |
|--|----------|-----------------------------|---------------------|--------|
| Medicine | | | | |
| a) Principles | yr. | 64 | | 3 |
| b) Conferences | yr. | 32 | | 2 |
| c) Ward work | yr. | | 200 | 5 |
| d) Clinics | I or II | | 48 | 1 |
| e) Clin.Path.Conf. ....Path. 301 | yr. | | 16 | 1 |
| Therapeutics | I | 16 | | 1 |
| Surgery | | | | |
| a) Principles | yr. | 64 | | 3 |
| b) Conferences | yr. | 32 | | 2 |
| c) Ward work | yr. | | 120 | 3 |
| d) Clinics | I or II | | 48 | 1 |
| e) Clin.Path.Conf. ....Path. 301 | yr. | | 16 | 1 |
| Obstetrics and Gynecology ....Surg. 330 | II | 32 | 32 | 3 |
| Specialties : | | | | |
| Pediatrics | I | 32 | | 1 |
| Dermatology | I | 16 | | 1 |
| Physio-Therapy | I | 16 | | 1 |
| Radiology | II | 16 | | 1 |
| Urology | II | 16 | | 1 |
| Neuro-Psychiatry | II | 32 | | 2 |
| Ophthalmology and Otolaryngology ....Surg. 310 | I | 32 | | 2 |
| Orthopedics | II | 16 | | 1 |
| | | 448 | 448 | 36 |

Fourth Year Medical Course

| | Course No. | Value in aca- demic hours | Credit |
|--|---------------|------------------------------|--------|
| Internal Medicine | Med. 401 | 240 | 6 |
| Pediatrics | Med. 410 | 120 | 3 |
| Neuro-Psychiatry | N. P. 412 | 120 | 3 |
| Surgery | Surg. 401 | 120 | 3 |
| Ophthalmology and Otolaryngology | Surg. 410 | 120 | 3 |
| Obstetrics and Gynecology | Surg. 406 | 240 | 6 |
| Sanitation and Public Health | Hyg. 401 | 100 | 2 |
| Medical Jurisprudence | Med. 420 | 20 | 1 |
| Dermatology | Med. 415 | 40 | 1 |
| Urology | Surg. 425 | 40 | 1 |
| Radiology | Surg. 405 | 40 | 1 |
| | | <hr/> | <hr/> |
| | | 1200 | 30 |

Bachelor of Arts

The regular requirements for this degree apply to those students who elect the work of the first year of the medical course during the senior year in the College of Letters and Science.

Bachelor of Science

(Medical Science Course)

Students in the College of Letters and Science who are candidates for this degree are required to take the following studies:

a. English, 6 credits (3 hours a week for a year), to be taken in the freshman year.

b. Foreign language. (1) A knowledge of elementary Latin, i.e., two years of high school Latin or its equivalent in college. (2) Either the completion of the fourth semester of French or German *at the University of Wisconsin* with a grade of 80 or above or a certificate of reading knowledge of one of these languages from the appropriate department at the University of Wisconsin. At least two years of work in foreign language shall be taken in college. (If first and second year courses are elected this will mean 14 to 16 credits.)

c. Courses in physics, chemistry, biology, and the medical sciences as outlined in the requirements of the Medical School. The requirement made of candidates for the degree of Bachelor of Arts that six credits shall be elected in history or eight in mathematics does not apply to candidates for the degree of Bachelor of Science (Medical Science Course).

d. The "credit" is the standard for computing the amount of work required for graduation. This is equivalent to one hour of recitation or lecture per week for one semester. Students are expected to take 15 credits per week in recitations, lectures and laboratory work, making 30 credits per year, and 120 for the course. In addition work in physical education or military science is required.

No student will be permitted to receive credit toward graduation for more than 18 credits in one semester in regular studies except by permission of the faculty obtained in advance.

e. Major Study—At the beginning of the sophomore or the junior year, every candidate for the degree of Bachelor of Arts or Bachelor of Science shall elect as his major subject work in some one department. This department will determine the manner in which the work of the major shall be completed.

f. Thesis—All candidates for a baccalaureate degree are required to present a graduating thesis, the subject of which must be approved by the student's adviser and the chairman of the department of his major. The thesis must represent some phase of the student's work in his major study, and must have the character of a scholarly dissertation on the subject.

CHOICE OF COURSES

The student who enters the College of Letters and Science with the intention of studying medicine should arrange a schedule of study which will enable him to complete the required pre-medical college work within the period which he desires to devote to preparation for the medical course.

The following language studies are required:

English 1a, 1b.

Two years of foreign language.

Students who have not studied Latin in the high school are required to take a year's work in elementary Latin.

The following science studies are required:*

Pre-Medical Work

| | <i>Semester</i> | <i>Lectures and Recitations</i> | <i>Laboratory Hours</i> | <i>Credits</i> |
|-----------------------------|-----------------|-------------------------------------|-----------------------------|----------------|
| Chemistry 1..... | Yr. | 128 | 192 | 10 |
| Organic Chemistry 120 | I | 48 | 96 | 6 |
| Physics 1 | Yr. | 160 | 128 | 10 |
| Biology 1 | Yr. | 96 | 256 | 10 |
| Embryology 115 | II | 16 | 48 | 2 |
| | | <hr/> 548 | <hr/> 720 | <hr/> 38 |

The minimum time required for the completion of this pre-medical work is two years. If three or four years are spent on pre-medical college work, the student has the choice of either broadening his course of study or of taking more advanced work in some special line. All good American medical schools now require at least two years of pre-medical college work. Many require at least three years of college work and a few require a bachelor's degree for entrance. If a student expects to take his medical course elsewhere or to complete the clinical part of his medical course elsewhere he should keep this in mind when arranging the pre-medical schedule. Thus, a student who expects to finish in a medical school which requires three years of college work for entrance should arrange for a three year pre-medical college course. He should likewise acquaint himself with the special pre-medical requirements maintained by the school of his choice.

Master of Science and Doctor of Philosophy

Graduates of the University of Wisconsin or of four-year courses of study in any other approved university or college who

*It is recognized that similar courses at other institutions may not correspond exactly to the scientific courses given at Wisconsin. This will not prevent full credit being granted for approximately equivalent courses pursued elsewhere or during the summer session at Wisconsin.

matriculate in the Medical School may at the same time register in the Graduate School as candidates for the degree of Master of Science under the following conditions:

1. They shall make application to the Dean of the Graduate School at least seven months prior to the date at which the examinations for the degree are to take place.

2. At the time of application they shall present evidence of having completed such an amount of preliminary work in one of the basal sciences of medicine as will entitle them to take more advanced work in this science than is required in the regular medical curriculum.

3. During the period of at least one academic year, advanced work of this character shall be pursued under the direction of an instructor in the department in which the study is taken. This shall count as a major subject. The regular courses in the medical curriculum shall count as minor subjects.

4. On or before June 1 of the year in which the degree is to be conferred, the candidate must file with the Dean of the Graduate School a thesis approved by the instructor under whom his major has been taken. After the thesis has been submitted, the candidate must sustain an oral examination upon the graduate work offered in support of his candidacy.

The degree of Doctor of Philosophy will be conferred under the usual conditions for this degree upon students registered in the Medical School.

Master of Public Health and Doctor of Public Health

Candidates for the degree of Master of Public Health must fulfill the following requirements: (1) They must be doctors of medicine from schools approved by the Executive Committee of the Medical School as maintaining adequate standards for both academic and professional training. (2) They must complete one year of graduate work in residence at the University of Wisconsin, covering such special subjects as shall be prescribed by the Executive Committee. (3) They must present a thesis acceptable to the Executive Committee. (4) They must be assigned outside practice in board of health work by arrangement with the Executive Committee. (5) They must satisfy the Executive Committee as to their proficiency by examination.

The degree of Doctor of Public Health (Dr.P.H.) is open to holders of the degree of Doctor of Medicine from medical schools recognized as maintaining satisfactory standards. Candidates for the degree of Dr.P.H. are expected to cover here, or elsewhere, the special work prescribed for the degree of Master of Public Health and must spend at least two years in the study of sciences related to hygiene and public health, subsequent to the regular medical course. Two or more years of practical work as a health officer may be substituted for one of these years. The last of these years must be spent at Wisconsin and must be devoted chiefly to work upon a special subject leading to a thesis containing some original research acceptable to the Executive Committee of the Medical School. The major work leading to the thesis shall be accompanied by minor work in at least one other department. A final oral examination shall be given by a committee appointed by the Dean of the Graduate School.

Student Advisers

Pre-medical students are assigned to the assistant dean for approval as to choice of courses preparatory for medicine. Medical students are required to have the approval of the dean of the medical school as to choice of courses leading to the B. S. degree (Medical Science Course) and to the M. D. degree. The assistant dean assigns each pre-medical, the dean each medical student to a member of the faculty who acts as a special personal adviser for that student. The pre-medical and medical courses are sufficiently difficult to require the full time of an intelligent student when in residence. Students who are not provided with enough funds sometimes spend so much time in outside work as to make it impossible for them to do justice to their professional studies. In many cases it would be better for such a student to reduce his scholastic schedule below the average and take more time to complete his curriculum, or to borrow money rather than to spend so much time in self-support. It is a function of an adviser to give council to students and parents in matters of this kind as well as in general to be a friend to the student assigned to him.

DEPARTMENTS OF INSTRUCTION

For a description of the courses in botany, zoology, chemistry, physics, psychology, climatology, and languages, see departmental announcements in the College of Letters and Science.

ANATOMY

PROFESSORS BARDEEN, SULLIVAN; EMERITUS PROFESSOR MILLER; ASSOCIATE PROFESSOR BAST; ASSISTANT PROFESSOR GEIST; INSTRUCTORS MOSSMAN, OSGOOD, SHAW; ASSISTANTS BOUDRY, DAVEE, ESCHWEILER, HELLEBRANDT, HENKE, HEMPHILL, MORTENSON.

A group of courses intended to offer a comprehensive view of the gross and microscopic anatomy and the embryology of mammals with especial reference to man is given in this department. In addition, opportunities are offered for advanced work and research in anatomy and for a study of some of the lower animal types of special interest in medicine. The laboratory is thoroughly equipped with apparatus, models, books, and materials for advanced as well as elementary work.

For those prepared to carry on advanced research, special laboratory facilities are provided.

For Undergraduates and Graduates

110. Histology and Organology. I; 4 cr. The study of the tissues, histology, followed by the study of the minute structure of the mammalian organs. Prerequisites: Junior standing. Biology 1. Dr. Bast.

115. Mammalian Embryology. II; 2 cr. The development of the pig is studied by means of dissection and the use of microscopic preparations. Human embryology is studied from sections, special preparations, and models. Prerequisites: Biology 1. Dr. Bardeen.

120. Human Anatomy. II; 6 cr. For students of physical education. Prerequisite: Biology 1. Dr. Bardeen.

121. Human Anatomy. Yr.; 12 cr. In this course a thorough training is offered in the dissection of the human body and in descriptive human anatomy. Prerequisites: Junior standing. Biology 1. Dr. Bardeen, Dr. Sullivan.

122. Topographical Anatomy. II; 2-4 cr. A study of frozen sections and special preparations. Prerequisite, Anatomy 121. Dr. Sullivan.

123. Special Human Anatomy. Those qualified to do independent work may make special arrangement for the study of human anatomy.

126. Neural Anatomy. II; 4 cr. This course consists of dissection of the human brain, and a study of the microscopic anatomy of the central nervous system and sense organs. Prerequisite anatomy 110 and 115, or their equivalents. Dr. Bast.

130. Advanced Anatomy. Opportunity for advanced study in the field of human and comparative anatomy, gross and microscopic, in embryology and experimental morphology, and in laboratory technique is offered to properly qualified students. Under the direction of various members of the staff.

131. Historical Seminary. II; 1 cr. Dr. Miller.

For Graduates

235. Investigation under Direction. To qualified students the department is prepared to offer problems for investigation and training in methods of research. Special arrangements for this work may be made with the individual members of the staff.

240. Independent Investigations. The department welcomes independent investigators who wish to make use of its facilities for conducting research in anatomy.

HYGIENE

In conjunction with the staffs of the State Laboratory of Hygiene, the Wisconsin Psychiatric Institute, the State Board of Health and the Boards of Health of the cities of Milwaukee and Madison, courses in hygiene are offered by members of the Faculty of the Medical School under the general supervision of Professors Clark and Stovall.

5. Health and Disease. II; 2 cr. The more important aspects of personal and public hygiene; designed especially for

students who desire a knowledge of how to promote their own health and that of the community. Dr. Clark, Dr. Cromwell.

101. Public Health. Lectures and field work for medical students. I; 2 cr. Drs. Clark, Harper, Stovall. Prerequisite: Completion of first year of medical course.

102. Bacteriology for Health Officers. I; 5 cr. Given in conjunction with medical bacteriology but with special work in the State Laboratory of Hygiene and some special lectures. Dr. Clark, Dr. Stovall.

106. Physiology for Health Officers. II; 5 cr. Given in conjunction with courses 106 and 107 in medical physiology but with special reference to the needs of health officers. Special topics in respiration, dietetics, chemistry of food, air, water, sewage, etc. Dr. Eyster, Dr. Dawson.

107. Bacteriology of Water and Sewage. II; 2 cr. Mr. Nichols.

110. Special Pathology and Hygiene for Health Officers. I or II; 5 cr. Given in conjunction with Pathology 101 and Medicine 105 but with special work for health officers. Dr. Bunting, Dr. Clark, Dr. Evans, Dr. Stovall.

115. Public Health Administration and Vital Statistics. II; 2 cr. Reading and practical work at the main office of the State Board of Health. Mr. Hutchcroft.

120. Practical Field Work. II; cr. to be arranged. Inspection of slaughterhouses, cow sheds, meats, schools, factories, and workshops. Study of public and private methods of sewage disposal; use of disinfectants. Under the direction of officers of the State Board of Health.

121. Practical Field Work. Credit to be arranged. Study of municipal health work under the direction of the Department of Health of the city of Milwaukee.

401. Practical Field Work. I or II; 2 cr. For fourth year medical students.

MEDICINE

GENERAL MEDICINE

PROFESSORS EVANS, VAN VALZAH; ASSOCIATE PROFESSOR MIDDLETON; ASSISTANT PROFESSOR MORRIS; CLINICAL PROFESSORS BLANKINSHIP, GREELEY, ROBBINS; CLINICAL ASSOCIATES KAY, BROWN; INSTRUCTOR BACH.

1. Physical Diagnosis. I; 2 cr. For students in physical education. Prerequisites: Anatomy 120, Physiology 115. Drs. Van Valzah, Eyster.

110. Physical Diagnosis. I; 2 cr. Normal physical diagnosis, (in conjunction with the Department of Surgery). Prerequisite: completion of the first year of the medical curriculum with satisfactory grades. Dr. Van Valzah.

111. Medical Diagnosis. II; 3 cr. Pathological clinical diagnosis. Prerequisites: one semester each of Pathology 101, Pathology 102, Medicine 101, and Surgery 101. Dr. Van Valzah.

301. Third Year Medicine. Yr.; 12 cr. Lectures, clinics, conferences, and ward work. Prerequisite: completion of second year of medical course with satisfactory grades. Dr. Evans and staff.

302. Advanced Work and Research. Credit according to work done.

401. Fourth Year Medicine. 6 cr. Prerequisite: completion of third year of medical course with satisfactory grades.

CLINICAL PATHOLOGY

PROFESSOR STOVALL; INSTRUCTORS FAUERBACH, MCGARY, NELSON.

102. Clinical Laboratory Diagnosis. II; 3 credits.

THERAPEUTICS

PROFESSOR LOEVENHART; ASSOCIATE PROFESSOR LEAKE, and members of the Department of Medicine.

305. Therapeutics. I; 1 cr. Prerequisite: completion of second year of medical course with satisfactory grades.

306. Advanced Work and Research. Credit according to work done.

PEDIATRICS

ASSOCIATE GONCE; CLINICAL ASSOCIATES CARTER, TENNEY.

310. Pediatrics. I; 1 cr. Prerequisite: completion of second year of medical course with satisfactory grades.

410. Fourth Year Pediatrics. 3 cr. Prerequisite: completion of third year medical course with satisfactory grades.

DERMATOLOGY

PROFESSOR FOERSTER; CLINICAL ASSOCIATE MCINTOSH.

315. Dematology. I; 1 cr. Prerequisite: completion of second year of medical course with satisfactory grades.

316. Advanced Work and Research. Credit according to work done.

415. Fourth Year Dermatology. At least two hours per day for one month under the direction of an approved preceptor; 1 cr. Prerequisite: completion of the third year of the medical course.

MEDICAL JURISPRUDENCE

420. Medical Jurisprudence. Assigned reading and examination. 1 cr.

NEURO-PSYCHIATRY

PROFESSOR LORENZ; ASSISTANT PROFESSORS BLECKWENN, REESE; INSTRUCTOR GIBSON.

112. Problems in Neuro-Psychiatry. Credit according to work done. Dr. Lorenz and staff.

312. Neuro-Psychiatry for Third Year Medical Students. 2 cr. Prerequisite: satisfactory completion of first semester of third year. Dr. Lorenz and staff.

412. Neuro-Psychiatry for Fourth Year Medical Students. Yr.; 3 cr.

PATHOLOGY AND MEDICAL BACTERIOLOGY

PROFESSORS BUNTING, CLARK; ASSOCIATE PROFESSOR MEDLAR; ASSISTANT PROFESSOR CROMWELL; INSTRUCTORS BURKE, EADES, HOLFORD; ASSISTANT WILSON.

Courses 101 and 103 are open to students who have successfully completed courses in histology, neural anatomy, and embryology. Course 102 is open to students who have had one year each of chemistry and biology. Courses 101 and 102 are required of medical students.

101. General Pathology. I and continued for 5 weeks into second semester; 7-8 cr. The principles of general human pathology and the essentials of pathological anatomy. The laboratory exercises are devoted mainly to a study of pathological histology and to demonstrations of gross morbid specimens. Dr. Bunting, Dr. Medlar, and Staff.

102. Medical Bacteriology. I; 4 cr. This course, which is especially designed for medical students, considers the bacteria and protozoa that are chiefly concerned in the production of disease processes. Weekly lectures in immunology. Dr. Clark, Dr. Cromwell, Miss Holford.

103. Experimental Pathology. II; 4 cr. In this course by suitable experiments the work of course 101 is supplemented and elaborated. It may be taken for thesis credit. Dr. Bunting.

104. Immunology. II; 4 cr.; may be taken as thesis course. It includes experimental work with all of the known antibodies and weekly conferences on the fundamental theories of immunology. Open to a limited number of students who have completed course 102. Dr. Clark.

106. Advanced Bacteriology. Dr. Clark.

108. Bacteriology Journal Club. Yr. 1 cr. Dr. Clark.

109. Immunology Seminary. II; 1 or 2 cr. Dr. Clark.

For Graduates

204. Advanced Pathology. Dr. Bunting.

205. Journal Club. Yr.; 1 cr. Dr. Bunting.

301. Clinical Pathological Conferences. Yr.; 2 cr. Dr. Bunting, Dr. Medlar and members of medical and surgical staffs.

PHARMACOLOGY AND TOXICOLOGY

PROFESSOR LOEVENHART; ASSOCIATE PROFESSOR LEAKE; ASSISTANT PROFESSOR MUEHLBERGER; INSTRUCTOR JONES; RESEARCH CHEMIST THOMAS.

Elementary and advanced courses in pharmacology and toxicology are offered in this department. For the elementary courses a previous training in physiological chemistry and physiology is required. The advanced courses are open to those who have had adequate elementary training. The laboratory is specially fitted for research in chemo-therapy.

101. Toxicology. II; 1 cr. Lectures in the general action of toxic drugs, on diagnosis of poisoning, treatment and the mode of conducting an autopsy when the tissues are to be subsequently examined chemically in medico-legal cases. Dr. Loevenhart.

104. Pharmacology. II; 2 cr. Lectures on the chemistry, the pharmacological and toxicological action, and the therapeutic uses of the chief medicinal drugs. Practice in prescription writing. Dr. Loevenhart and Dr. Leake.

105. Pharmacology. II; 2 cr. Laboratory course. Experimental studies on the action of drugs. Staff.

108. Advanced Work. Those qualified to undertake advanced work and research in pharmacology and toxicology may make arrangements for conducting such work under the supervision of Dr. Loevenhart or Dr. Leake.

112. Independent Investigation. To any one qualified to carry on work of this character the facilities of the laboratory are available.

116. Journal Club. Yr. A meeting of the Journal Club is held weekly. Advanced students will be expected to report from time to time upon current papers dealing with pharmacology and toxicology.

120. Historical Seminary. II; 1 cr. Dr. Leake.

PHYSIOLOGY

PROFESSORS EYSTER, MEEK; ASSOCIATE PROFESSOR DAWSON; INSTRUCTORS MCCREA, POMMERENKE, MISS STALEY, WILSON; ASSISTANTS BENN, CRANDALL.

For Undergraduates

1. Elements of Human Physiology. I. Lectures, quizzes, and demonstrations giving a general knowledge of the structure and functions of the human body, and especially adapted to teachers. Students electing this course should have some chemistry. Dr. Meek.

3. Animal Physiology. II; 4 cr. Especially designed for students in agriculture, but open to others. Dr. Meek and assistants.

4. Physiology, Bacteriology and Hygiene. I or II; 6 cr. Open only to students in the course in nursing. Mr. McCrea.

For Undergraduates and Graduates

105. Medical Physiology. II; 7 cr. Lectures, recitations, demonstrations, and laboratory. Required of first year medical students and open to others as an elective. Prerequisites: comparative or human anatomy, histology, neural anatomy, and physiological chemistry. Dr. Meek, Dr. Eyster.

106. Medical Physiology. I; 2 cr. Prerequisite: Physiology 105. Drs. Meek and Eyster.

115. Physiology. Yr.; 10 cr. Lectures, recitations, demonstrations, and laboratory. Required of juniors in physical education and open to others as an elective. Prerequisites: comparative anatomy and physiological chemistry. Dr. Dawson, Miss Staley.

118. Advanced Physiology and Research. Yr.; credit according to work done. Dr. Eyster, Dr. Meek, Dr. Dawson.

120. Journal Club. Yr.; 1 cr. Reports of recent physiological and biochemical literature. Dr. Eyster.

121. History of Physiology. I; 2-5 cr. Prerequisite: Physiology 105 or 115. Dr. Dawson.

For Graduates

208. Advanced Laboratory Course in Physiology. Designed for teachers of animal physiology as well as for physicians and students of medicine who desire a wider experience in experimental physiology than can be gained in course 105. Dr. Eyster.

PHYSIOLOGICAL CHEMISTRY

PROFESSOR BRADLEY; ASSOCIATE PROFESSOR SEVRINGHAUS; INSTRUCTOR BAERNSTEIN; ASSISTANTS MARKS, WHIPPLE.

For Undergraduates and Graduates

104. Physiological Chemistry. I; 4 cr. Lectures, conferences and laboratory work. Required of juniors in medicine and open to others as an elective. Prerequisites: general and organic chemistry, physics, and biology. Dr. Bradley and Dr. Sevringhaus.

114. Physiological Chemistry. I; 3 cr. Lectures, conferences and laboratory work. Required of juniors in physical education and open to others as an elective. Prerequisites: general chemistry, physics, and biology. Dr. Bradley.

117. Advanced Physiological Chemistry and Research. Dr. Bradley and Dr. Sevringhaus.

120. Journal Club. Yr.; 1 cr. Dr. Bradley.

For Graduates

210. Advanced Laboratory Course in Physiological Chemistry. Consists of quantitative methods applicable to bio-chemical problems, laboratory, conference, and recitation periods. Dr. Bradley and Dr. Sevringhaus.

222. Seminary in Physiology, Pharmacology, and Physiological Chemistry. Yr.; 1 cr.

SURGERY

GENERAL SURGERY

WISCONSIN GENERAL HOSPITAL STAFF

PROFESSOR HEDBLOM; ASSOCIATE PROFESSORS CRAWFORD, MAGER;
INSTRUCTOR HEAD.

ASSOCIATE STAFF

Madison General Hospital. Clinical Professor T. W. TORMEY;
Clinical Associates A. G. SULLIVAN; A. R. TORMEY; Clinical
Instructor E. S. SULLIVAN.

Methodist Hospital. Clinical Professor R. H. JACKSON; Clin-
ical Associate J. A. JACKSON.

St. Mary's Hospital. Clinical Professor J. DEAN; Clinical As-
sociate J. P. DEAN.

101. Surgical Anatomy and Physiology. I; 1 cr. Drs.
CRAWFORD, BURNS, HEAD, AND HYSLOP.

102. Surgical Clinics. II; 1 cr. At the Wisconsin General,
Madison General, Methodist, and St. Mary's Hospitals.

103. Elements of Surgery. II; 1 cr. Prerequisite: Surgery
101. Dr. HEDBLOM.

301. Surgery for Third Year Medical Students. Yr.; 10 cr.
Lectures, conferences, ward work, and clinics. Prerequisite:
completion of second year of medical course with satisfactory
grades. Dr. Hedblom and staff.

302. Advanced Work and Research. Credit according to
work done.

401. Surgery for Fourth Year Medical Students. Yr. 3 cr.

ORTHOPEDIC AND PLASTIC SURGERY

PROFESSORS GAENSLEN, BROWN; INSTRUCTOR BURNS.

315. Orthopedics II; 1 cr.

UROLOGY

ASSOCIATE PROFESSOR HAGER; ASSOCIATE I. SISK.

325. Urology. II; 1 cr. Prerequisite: completion of first semester of third year work with satisfactory grades.

326. Advanced Work and Research. Credit according to work done.

425. Urology for Fourth Year Medical Students. At least two hours per day for one month under an approved preceptor; 1 cr.

OPHTHALMOLOGY, RHINOLOGY, AND OTOLARYNGOLOGY

Professor DAVIS; Associates BOWER, BARLOW, NEFF, NESBIT; Instructor HYSLOP; Assistant KLEIN.

310. Ophthalmology, Rhinology, and Otolaryngology. I; 2 cr. Prerequisite: completion of second year of medical course. Dr. Davis and staff.

311. Advance Work and Research. Credit according to work done. Dr. Davis and staff.

410. Fourth Year Ophthalmology, Rhinology and Otolaryngology. Yr.; 3 cr.

PHYSIO-THERAPY

Professor ELSOM.

316. Physio-Therapy, including Mechano-Therapy, Helio-Therapy, Electro-Therapy, and Hydro-Therapy. I, 1 cr. Given in conjunction with Therapeutics, Med. 305.

317. Advanced Work and Research. Credit according to work done.

RADIOLOGY

Clinical Instructor J. N. SISK; Technician LINDBERG.

104. X-Ray Technique. Credit to be arranged.

320. Radiology. II; 1 cr.

405. Fourth Year Radiology. 1 cr.

OBSTETRICS AND GYNECOLOGY

Associates C. S. HARPER, E. F. SCHNEIDERS; Consultant C. H. DAVIS.

330. Obstetrics and Gynecology. II; 3cr.

331. Advanced Work and Research. Credit according to work done.

406. Fourth Year Obstetrics and Gynecology. Yr.; 6 cr.

FEES AND EXPENSES

College of Letters and Science, and Medical School

| | |
|--|---------|
| Resident tuition | Free |
| Nonresident tuition, per semester | \$62.00 |
| Incidental fees for all students, per semester | 15.50* |
| General fee, Summer Session | 22.00 |

*This includes an infirmary fee of \$3.50.

Laboratory Fees

| | Fee | Deposit |
|---|---------|---------|
| Anatomy 115, 122, each | \$ 5.00 | |
| Anatomy 110 | 10.00 | \$ 2.00 |
| Anatomy 121, per semester | 15.00 | |
| Anatomy 126 | 10.00 | 2.00 |
| Medicine | | |
| Clinical Laboratory Diagnosis, 102..... | 10.00 | |
| Medicine, 1 | 5.00 | |
| Normal Physical Diagnosis, 110 | 5.00 | |
| Pathological Physical Diagnosis, 111..... | 5.00 | |
| Third Year Medicine, 301 | 25.00 | |
| Pathology, 101 first semester | 15.00 | |
| Pathology, 101 second semester | 5.00 | |
| Medical Bacteriology, 102 | 15.00 | |
| Pharmacology 105 | 16.00 | 2.00 |
| Physiology 3 | 3.00 | |
| Physiology 105 | 17.00 | 1.00 |
| Physiology 115 | 15.00 | 2.00 |
| Physiological Chemistry 104 | 20.00 | 5.00 |
| Physiological Chemistry 114 | 14.00 | 5.00 |

| | Fee | Deposit |
|-----------------------------------|-------|---------|
| Physiological Chemistry 117 | 15.00 | 5.00 |
| Surgery | | |
| Minor Surgery 101 | 5.00 | |
| Obstetrics 330 | 5.00 | |
| Ophthalmology 310 | 5.00 | |
| Radiology 104, 320 | 5.00 | |
| Third Year Surgery 301 | 25.00 | |

Board and Room

Rooms, furnished and unfurnished, can be obtained in the city at prices per week ranging from \$2.50 to \$6.00 a person. The cost of board in clubs is from \$5.00 to \$7.00 per week; in private boarding houses and cafeterias from \$6.50 to \$8.50 a week. Many students obtain room and board in families or clubs by rendering services, but these places are eagerly sought for and cannot always be obtained at once. Those dependent upon themselves for support should not come to the University unless they have a reasonable reserve fund.

Scholarships

For scholarships see Bulletin of General Information.

STUDENTS MATRICULATED 1924-25

First Year

| | |
|-----------------------------------|---------------------------|
| Abbott, Gordon W. | Elgin, Illinois |
| Aitken, Herbert | Bozeman, Montana |
| ¹ Anderson, Walter S. | Madison |
| Barnes, Janet | Madison |
| ¹ Barwaser, Norbert C. | Evansville, Indiana |
| Benn, Herbert | Medford |
| Benson, Clifford | Iola |
| Benson, George B. | Richland Center |
| Beppler, Alice | San Francisco, California |
| ² Berg, George | Madison |
| Bock, Adolph | Sheboygan |
| Boudry, Marshall | Fond du Lac |
| Brindley, Benjamin | Boscobel |
| Bubolz, Richard C. | Seymour |
| ² Clauson, Theron | Bloomer |
| ¹ Connell, John | Beloit |
| Crandall, L. A. | Racine |
| Cremer, Anabel | Cashton |
| Davee, Chalmer | River Falls |
| Erickson, Milo T. | Cameron |
| ³ Erickson, Milton | Lowell |
| ² Eschweiler, Paul O. | Madison |
| Evans, Albert E. | Racine |
| Freitag, Samuel | New Glarus |
| Furlong, T. F. Jr. | Milwaukee |
| Gage, Everett L. | Whitehall |
| Garens, Ralph | Milwaukee |
| Gillette, Frank | Tomahawk |
| Goedecke, Ray | Merrimac |
| Groth, Alva | Jackson |
| Hahn, Frederick A. | Watertown |
| ² Haigh, F. Warren | Madison |
| Hansen, Arthur C. | Racine |
| Hardgrove, Maurice | Fond du Lac |
| ² Harmon, John C. | Sparta |
| Harter, John S. | Kokomo, Indiana |

¹Withdrew during year.²Repeating³Completing first year work.

| | |
|----------------------------------|-------------------------|
| Hellebrandt, Frances | Oak Park, Illinois |
| Hemphill, Paul | North Loop, Nebraska |
| ² Hendrickson, Herman | Black River Falls |
| Henke, Sam L. | Baraboo |
| Hitz, John B. | Nashotah |
| Hudson, Leo | Madison |
| Johnson, Ralph B. | La Crosse |
| Kammer, A. G. | New Glarus |
| Kler, Joseph H. | Black River Falls |
| ¹ Laird, James | Shiocton |
| Larson, John | Scandia, Kansas |
| Leitz, Frank | Los Angeles, California |
| ¹ Lown, Wilbur | Putnam, Connecticut |
| Lundt, Milo | Madison |
| Mantell, Jacob | Racine |
| Manz, Walter | Eau Claire |
| Marks, Joseph | Madison |
| Millar, Malcolm | Madison |
| Mortenson, Otto | Milwaukee |
| Mosier, Dwight | Fennville, Michigan |
| Mueller, F. C. | Madison |
| ¹ Nammacher, T. H. | Oconomowoc |
| Neubert, A. D. | Milwaukee |
| ¹ Nieman, Norman G. | Wausau |
| O'Brien, Harold A. | Madison |
| O'Malley, Wm. P. | Waunakee |
| ² Ohlsen, M. P. | Milwaukee |
| Patzer, Walter E. | Antigo |
| Perrin, Stuart H. | Star Prairie |
| Phillips, Clyde | Madison |
| Phillips, Neal J. | Chicago |
| Puehler, Ruth M. | Madison |
| Rauschwalbe, Lothar | Milwaukee |
| ² Reay, George | La Crosse |
| Roach, Carroll | Madison |
| Rosenbaum, Mose K. | Milwaukee |
| Saffro, Lionel B. | Milwaukee |
| ¹ Sandford, James | Farmington, Minnesota |
| Sannes, William | Madison |
| Schade, Robert | Milwaukee |

¹Withdrew during year.

²Repeating

| | |
|----------------------------------|--------------------------|
| Seymour, Walter | Tsinning Shantung, China |
| Sharp, Darrell | Evansville |
| Shaw, George | Holland, Michigan |
| ¹ Siegel, Jack | Fargo, N. Dakota |
| Smedal, Agmar | McFarland |
| Stanton, Ed. | Mitchell, S. D. |
| Stebbins, George | Madison |
| Tegge, C. W. | Two Rivers |
| Tessier, Alban | De Pere |
| ² Thiel, Wilfred | Marshfield |
| ² Thompson, Robert C. | St. Croix Falls |
| Turkeltaub, S. M. | Lublin, Poland |
| Van Verst, Paul | Holland, Michigan |
| Weeks, Frank D. | Marion, Ohio |
| Wheeler, Robert M. | Madison |
| Wilson, Otis M. | Aurora, Indiana |
| Ziegler, A. M. | Moline, Illinois |
| Zuker, Samuel | Toledo, Ohio |

Second Year

| | |
|----------------------|-------------------------|
| Anderson, Ruth | Milwaukee |
| Baldwin, Raymond | Beloit |
| Bloemendahl, Willard | Holland, Michigan |
| Breister, Benjamin | Fond du Lac |
| Burke, Charles F. | West De Pere |
| Burke, Mead | Madison |
| Carns, Marie L. | Knoxville, Illinois |
| Chapman, E. J. | Oshkosh |
| Chorlog, John I. | Madison |
| De Nosaquo, N. V. | Milwaukee |
| Dewarzeger, Victor | Green Bay |
| Elsom, Kendall | Madison |
| Emery, Myra | Madison |
| Engelmann, Victor | What Cheer, Iowa |
| *Faletti, A. J. | Spring Valley, Illinois |

¹Withdrew during year.

²Repeating.

*Withdrew during year.

| | |
|---------------------|---------------------------|
| Finner, Lucy | Clifton Springs, New York |
| Foucek, Bohumil | Berwyn, Illinois |
| Grab, John A. | Manawa |
| Hatfield, Margaret | Madison |
| Henderson, Napier | Madison |
| Johnson, Vincent C. | Madison |
| Jones, Ralph E. | Plymouth |
| Keck, Everett | Madison |
| Knudson, J. W. | Galesville |
| Kojis, Ferdinand | Milwaukee |
| Kurtz, Chester | Milwaukee |
| Lins, Beatrice | Spring Valley |
| Lipman, William | Antigo |
| Long, Chester | Stanley |
| Ludden, Raymond | Bloomington |
| *Mc Cleery, T. S. | Racine |
| Mc Greane, Frank | Shullsburg |
| *McNair, Ralph | Brodhead |
| Marsden, Wendell | Fennimore |
| Mason, Frank | Milwaukee |
| Millard, Allen | New London |
| *Milliren, Russell | Stockholm |
| Morrison, John T. | Owensboro, Kentucky |
| Munro, Jeanette | Princeton, New Jersey |
| Packard, John S. | Rhineland |
| Paull, Roscoe A. | Ridgeway |
| Perrodin, Chester | Wisconsin Rapids |
| Portman, Raymond | Ladysmith |
| Pratt, Helen Emily | Cleveland, Ohio |
| Prehn, Douglas T. | Wausau |
| Ralph, L. P. | Cuba City |
| Rathert, Burton S. | Chilton |
| Richards, Ray | Chetek |
| *Rydell, Otto E. | Superior |
| Sander, Oscar | Madison |
| Schoofs, G. E. | Fond du Lac |
| Senn, Milton | Madison |
| Shaw, Gerald | Waunakee |
| Simon, Harry | New York City, N. Y. |
| Skolas, Marcus | Chicago, Illinois |

*Withdrew during year.

| | |
|----------------------|-------------------------|
| Spooner, Dwight | La Verne, Iowa |
| Steen, Reginald R. | Bloomfield, New York |
| Sterling, Russell R. | Stanley |
| Supernaw, Jack | Madison |
| Taylor, Arthur C. | Sioux City, Iowa |
| Teschan, Rudolf | Milwaukee |
| Thoeny, Oscar W. | Fountain City |
| Thomas, Warren S. | Madison |
| Vander Kamp, H. | Holland, Michigan |
| Werrell, William | Madison |
| Wheelihan, Robert | Duluth, Minnesota |
| *Willey, Howard E. | Lake Mills |
| Winston, Thomas | Highland Park, Illinois |
| Wirig, Marres | Antigo |
| Woods, Daniel | Madison |
| Zimmerman, Felix | Watertown |

*Withdrew during year.

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BULLETIN OF THE UNIVERSITY OF
WISCONSIN

UNIVERSITY OF WISCONSIN

Serial No. 1276, General Series No. 1054

THE
UNIVERSITY OF WISCONSIN

ANNOUNCEMENT OF
MEDICAL SCHOOL
PRE-MEDICAL AND MEDICAL COURSES
COURSES IN HYGIENE

and Courses in the Medical Sciences Leading to the Degree of
Master of Science, Master of Public Health, Doctor
of Philosophy, and Doctor of Public Health

1924-1925

MADISON, WISCONSIN

August, 1924

Issued monthly by the University of Wisconsin, at Madison, Wisconsin.
Entered as second-class matter, July 11, 1916, at the postoffice at Madison,
Wis., under the Act of August 24, 1912.

THE REGENTS OF THE UNIVERSITY

EDWARD A. BIRGE, President of the University, *ex officio*
 JOHN CALLAHAN, State Superintendent of Public Instruction,
ex officio

| | Term Expires |
|---|--------------|
| State-at-Large—JOHN C. SCHMITMAN, Manitowoc..... | 1928 |
| State-at-Large—FRED L. BACHMAN, Appleton..... | 1930 |
| State-at-Large—GILBERT E. SEAMAN, Milwaukee..... | 1925 |
| First District—A. J. HORLICK, Racine..... | 1925 |
| Second District—DANIEL H. GRADY..... | 1925 |
| Third District—HARRY L. BUTLER, Madison..... | 1925 |
| Fourth District—MISS LEOLA M. HIRSCHMAN, Milwaukee..... | 1925 |
| Fifth District—THEODORE KRONSHAGE, Milwaukee..... | 1925 |
| Sixth District—MISS ELIZABETH WATERS, Fond du Lac..... | 1927 |
| Seventh District—D. O. MAHONEY, Viroqua..... | 1926 |
| Eighth District—FRANKLIN A. NACE, Iola..... | 1928 |
| Ninth District—JOHN E. CASHMAN, Denmark..... | 1930 |
| Tenth District—BEN F. FAAST, Eau Claire..... | 1926 |
| Eleventh District—C. B. CASPERSON, Frederic..... | 1929 |

THE BOARD OF VISITORS

Regent Appointments

| | |
|---|--------------|
| GEORGE P. HAMBRECHT, Madison..... | July 1, 1927 |
| LOYAL DURAND, Milwaukee..... | July 1, 1928 |
| EDWARD M. McMAHON, Milwaukee..... | July 1, 1925 |
| MRS. CHARLES R. CARPENTER, Madison..... | July 1, 1926 |

Alumni Appointments

| | |
|--------------------------------------|--------------|
| ISRAEL SHRIMSKI, Chicago..... | July 1, 1927 |
| B. E. McCORMICK, La Crosse..... | July 1, 1925 |
| MISS KATHRYN CLEVELAND, Chicago..... | July 1, 1925 |
| MRS. HOWARD GREENE, Milwaukee..... | July 1, 1926 |

Governor's Appointments

| | |
|--|--------------|
| W. A. TITUS, Fond du Lac..... | July 1, 1927 |
| MRS. C. E. PATZER, Milwaukee..... | July 1, 1927 |
| MRS. JULIA ANDERSON SCHMETZ, Racine..... | July 1, 1928 |
| CARL J. HESGARD, Orfordville..... | July 1, 1925 |

The Academic Year, 1924-1925

1924

| | | |
|------------------|--------------------|--|
| *September 18-20 | Thurs.-Sat. (Noon) | Early registration days |
| September 22, 23 | Monday, Tuesday | Registration days |
| September 22, 23 | Monday, Tuesday | Examinations for admission |
| September 24 | Wednesday | Lectures and recitations begin |
| September 27 | Saturday | Special examinations for removal of conditions |
| November 27 | Thursday (one day) | Thanksgiving day; legal holiday |
| December 19 | Friday (Noon) | Christmas recess begins |

1925

| | | |
|----------------|--------------------|--|
| January 6 | Tuesday (8 a. m.) | Exercises resumed |
| January 17 | Saturday | Examinations for removal of conditions |
| Jan. 26-Feb. 4 | Mon.-Wed. | Final examinations, first semester |
| February 5, 6 | Thursday, Friday | Registration days, second semester |
| February 9 | Monday | Lectures and recitations begin |
| February 23 | Monday | Washington's Birthday; legal holiday |
| April 8-14 | Wed.-Tues. (incl.) | Spring recess |
| April 18 | Saturday | Examinations for removal of conditions |
| May 30 | Saturday | Memorial Day; legal holiday |
| June 8-16 | Monday-Tuesday | Final examinations, second semester |
| June 15-16 | Monday, Tuesday | Examinations for admission |
| June 19-22 | Friday-Monday | Commencement exercises |

*See the requirements outlined in "Regulations for the Guidance of Undergraduate Students".

ORGANIZATION

The University of Wisconsin consists of the following colleges, courses, and schools:

The College of Letters and Science. GEO. C. SELLERY, *Dean*.

The College of Engineering. F. E. TURNEAURE, *Dean*.

The College of Agriculture. H. L. RUSSELL, *Dean*.

The Law School. H. S. RICHARDS, *Dean*.

The Medical School. C. R. BARDEEN, *Dean*.

The University Extension Division. L. E. REBER, *Dean*.

The Graduate School. C. S. SLICHTER, *Dean*.

The School of Music. C. H. MILLS, *Director*.

The School of Education. V. A. C. HENMON, *Director*.

The Library School. C. B. LESTER, *Director*.

The Summer Session. S. H. GOODNIGHT, *Director*.

The Course in Commerce. W. A. SCOTT, *Director*.

The Course in Chemistry. J. H. MATHEWS, *Director*.

The Course in Pharmacy. EDWARD KREMERS, *Director*.

The Course in Journalism. W. G. BLEYER, *Director*.

The Course in Home Economics. MISS ABBY L. MARLATT, *Director*.

Persons desiring information in regard to any of the departments of the University should apply to

W. D. HIESTAND, *Registrar*

THE MEDICAL SCHOOL

FACULTY

BIRGE, E. A., Ph.D., Sc.D., LL.D., President of the University.

BARDEEN, C. R., B.A., M.D., Professor of Anatomy, Dean.

BAST, T. H., Ph.D., Assistant Professor of Anatomy.

BLANKINSHIP, R. C., M.D., Assistant Professor of Clinical Medicine.

BLANTON, SMILEY, B.S., M.D., Consultant in Psychiatry.

BRADLEY, H. C., Ph.D., Professor of Physiological Chemistry.

BUERKI, R. C., B.S., M.D., Superintendent of State General Hospital.

BUNTING, C. H., B.A., M.D., Professor of Pathology.

CLARK, PAUL F., M.A., Ph.D., Professor of Bacteriology.

CRAWFORD, A. S., B.S., M.D., Associate Professor of Surgery.

DAWSON, PERCY M., B.A., M.D., Assistant Professor of Physiology.

EVANS, JOSEPH S., B.A., M.D., Professor of Medicine.

EYSTER, J. A. E., B.A., M.D., Professor of Physiology.

HEDBLUM, CARL A., B.A., M.D., Professor of Surgery

KUENZI, E., Pharmacist, University Hospitals.

LEAKE, C. D., M.S., Ph.D., Assistant Professor of Pharmacology.

LOEVENHART, A. S., B.A., M.D., Professor of Pharmacology and Toxicology.

LORENZ, W. F., M.D., Professor of Psychiatry.

MEDLAR, E. M., M.A., M.D., Associate Professor of Pathology.

MEEK, W. J., Ph.D., Professor of Physiology, Assistant Dean.

MIDDLETON, W. S., M.D., Associate Professor of Clinical Medicine.

MILLER, W. S., M.D., Emeritus Professor of Anatomy.

MORRIS, SARAH, M.D., Assistant Professor of Clinical Medicine.

MOURY, WM. A., M.D., Assistant Professor of Clinical Medicine.

SEVRINGHAUS, E., M.A., M.D., Assistant Professor of Physiological Chemistry.

STOVALL, W. D., M.D., Assistant Professor of Hygiene.

SULLIVAN, W. E., M.A., Ph.D., Assistant Professor of Anatomy.

VAN VALZAH, ROBERT, B.A., M.D., Professor of Clinical Medicine.

Instructors and Assistants

BAUER, C. P., M.D., Instructor in Clinical Medicine.
 BLECKWENN, W. J., M.D., Instructor in Neuro-Psychiatry.
 BLOEMENDAHL, W. B., Assistant in Anatomy.
 CROMWELL, H., Sc.D., Instructor in Bacteriology.
 ELSOM, KENDALL, Assistant in Physiology.
 GEIST, F. D., M.D., Instructor in Anatomy.
 GONCE, J. E., M.D., Instructor in Clinical Medicine.
 HELLEBRANDT, FRANCES, Assistant in Anatomy.
 HOLFORD, FRANCES, M.A., Instructor in Bacteriology.
 MCCREA, F. D., Instructor in Physiology.
 MCGARY, L. W., M.D., Instructor in Medicine.
 MORRISON, J. T., Assistant in Physiology.
 MOSSMAN, H. W., Instructor in Anatomy.
 MUNRO, JEANETTE, Assistant in Anatomy.
 OATWAY, WILLIAM, Instructor in Pathology.
 OSGOOD, C. W., Instructor in Anatomy.
 PAULL, ROSCOE, Assistant in Physiological Chemistry.
 RITCHIE, GORDON, Instructor in Pathology.
 SANDER, F. V., Research-Chemist in Pharmacology.
 SCHOofs, G. E., Assistant in Physiological Chemistry.
 SHAW, GERALD, Assistant in Anatomy.
 STALEY, KATE, Instructor in Physiology.
 TAYLOR, A. C., Assistant in Anatomy.
 TENNEY, H. K., M.D., Instructor in Clinical Medicine.
 THOMAS, W. S., M.A., Research Chemist in Pharmacology.
 WAKERLIN, G., Instructor in Pharmacology.
 WHIPPLE, DOROTHY, Assistant in Physiological Chemistry.
 WILSON, J. A., M.A., Instructor in Physiology.
 VANDERKAMP, H., Assistant in Anatomy.

Lecturers and Associates

| | |
|----------------------|-------------------------|
| BROWN, DAMON, M.D. | JACKSON, R. H., M.D. |
| CARTER, HOMER, M.D. | KAY, HARRY, M.D. |
| DEAN, JAMES P., M.D. | ROBBINS, GEORGE, M.D. |
| DEAN, JOSEPH, M.D. | SCHNEIDERS, E. F., M.D. |
| CREELEY, H. P., M.D. | TORMEY, A. R., M.D. |
| JACKSON, J. A., M.D. | TORMEY, T. W., M.D. |

The Executive Committee

| | |
|------------------------------|-------------------------|
| BARDEEN, C. R., M.D., Chair- | EVANS, J. S., M.D. |
| man. | EYSTER, J. A. E., M.D. |
| BRADLEY, H. C., Ph.D. | HEDBLUM, C. A., M.D. |
| BUERKI, R. C., M.D. | LOEVENHART, A. S., M.D. |
| BUNTING, C. H., M.D. | MEEK, W. J., Ph.D. |

STATE LABORATORY OF HYGIENE**Committee in Charge**

HARPER, C. A., M.D., State Health Officer.
WHYTE, W. F., M.D., President of the State Board of Health.
BIRGE, E. A., LL.D., President of the University.
BARDEEN, C. R., M.D., Dean of the Medical School.

Laboratory Staff

STOVALL, W. D., M.D., Director and Associate Professor of Hygiene.
TULLY, E. J., State Sanitary Engineer.
NICHOLS, M. S., Assistant.
SCHEID, EMERALD, Assistant.

State Toxicologist

MUEHLBERGER, C. W., State Toxicologist.
SCHRENK, H. H., Assistant Toxicologist.

ORGANIZATION

During the legislative session of 1907, a bill was passed authorizing the establishment of a Medical School at the University. The curriculum of the first two years of the medical course is given. Lack of adequate clinical facilities has hitherto prevented the establishment at Madison of the last half of the medical course. The new State General Hospital will be occupied in the fall of 1924. It is planned to begin the third year of the medical course in the fall of 1925 and the fourth year in the fall of 1926.

AIMS AND METHODS

The aims of the Medical School are:

1. To encourage a thorough preliminary medical education, and to offer adequate facilities for a thorough preparation for clinical work.
2. To promote the development of preventive medicine and hygiene.
3. To stimulate research in the sciences upon which modern medicine is based.

Scientific medicine consists of the application of scientific knowledge and methods, not only to the cure or alleviation, but also to the prevention of disease. It requires a thorough mastery of the fundamental principles of physics, chemistry, and biology, as well as of the more specialized sciences of human anatomy, physiology, pathology, bacteriology, pharmacology, and toxicology. The progress of medicine and hygiene is largely dependent upon progress in these sciences. First-hand knowledge of them, acquired in laboratories under the direction of specialists, is essential for those who desire to treat disease and alleviate human suffering to the best advantage. With this knowledge and training, the student can enter intelligently upon the study of the complex problems presented by the sick in all dispensaries and hospital wards of medical schools offering clinical training, and later in private practice. The methods employed in the various laboratories of the Medical School are designed to train the powers of quick observation, of accurate judgment, and of skillful execution, as well as to supply such knowledge of fundamental scientific facts and principles as is most necessary for clinical medicine.

The work of the medical sciences is under the direction of specialists who devote their whole time to teaching and investigation, and who are keenly interested in medical problems and progress.

In each of the departments of the Medical School certain courses are required of all medical students; others are elective. The required courses insure a broad basis for clinical medicine. The elective courses enable the students to gain depth of insight and special skill in some one branch, and thus to become thorough as well as broad. The elective courses also offer excellent opportunities to graduates who wish to specialize in some one of

the medical sciences and to physicians desiring to follow the progress of these sciences, to prepare for public health work or to undertake research.

COURSES IN PUBLIC HEALTH

Recognizing that preventive medicine is rapidly growing in public esteem and there is certain to be an increasing demand for specially trained officers of public health, the Regents of the University have established a special one-year course in Public Health work, open to physicians and others qualified by special preparation for such work. This course was given for the first time in the year 1911-12. It is given with the cooperation of the State Board of Health and of the Board of Health of Milwaukee and includes special work in bacteriology, physiology, meteorology, medical zoology, and pathology as applied to the duties of public health officials, examination of drugs and foods, public health administration and vital statistics, medical inspection in schools and practical field work. For successful completion of this course the degree of Master of Public Health is granted. A more advanced course leading to the degree of Doctor of Public Health has likewise been established. See page 14.

POST-GRADUATE MEDICAL INSTRUCTION

The purpose of the courses offered in post-graduate medical instruction is to provide physicians residing in a given locality with practical demonstrations of the newer methods of diagnosing and treating disease. Clinics are held at a hospital conveniently located, illustrated lectures are given, and opportunity is offered for consultations with specialists. Arrangements may be made for a single clinic and lecture or for a series of weekly, bi-weekly, or monthly series of clinics and lectures. Arrangements for these clinics and lectures may be made by cooperation between the local physicians under whose auspices the clinics and lectures are held and Dr. Rock Sleyster, Chief of Organization. Physicians enrolling for the course are charged a fee sufficient to cover part of the overhead expenses, and the balance is paid from the small appropriation made for this work by the State Legislature.

ADMISSION REQUIREMENTS IN THE MEDICAL SCHOOL

For matriculation in the Medical School a student must furnish evidence:

1. That he has satisfied the requirements for admission to the College of Letters and Science.

The requirements for admission to the College of Letters and Science are to be found in the University Catalogue. They are met by a four-year high school course which embraces certain groups of studies, including English, mathematics, and foreign language.

2. That he has completed at least the equivalent of two years' work, including the required Freshman English, in this College.

Two years of work in the College of Letters and Science may be interpreted as meaning the completion of enough work to entitle the student to be registered in the junior class in that college.

3. That he has successfully pursued laboratory courses of college grade in physics, general and organic chemistry, and biology.

The requirements in physics, chemistry, and biology must be satisfied before a student matriculates in the Medical School. Provision is made for studying embryology (Anatomy 115) during the first year of the medical course, but the student is strongly advised to take this study before matriculating.

In addition, students are advised to take a course in quantitative analysis (Chemistry 11a) and in comparative anatomy before beginning the medical work. Attention is called to the opportunities for work in science during the summer session.

4. That he has studied elementary Latin.

The requirement in Latin is ordinarily met by two years of high-school or by one year of college Latin. It is preferable to meet the requirement by high-school work.

5. That he has a reading knowledge of French or German.

Several of the leading medical schools require a reading knowledge of German or French for matriculation, and the Johns Hopkins University requires both. To satisfy the requirements for the B.A. degree in the College of Letters and Science, from sixteen to twenty-four credits in coordinate foreign language are

required. For the B.S. degree at least two years of college work in foreign language are required. The student must either meet the language requirements for the B.A. degree, or at the time of matriculating in the Medical School the student should present a certificate from the German Department or the Department of Romance languages of the University certifying his ability to read German or French.

ADMISSION TO ADVANCED STANDING

A student who has completed elsewhere work equivalent to that required for matriculation and to that of the first year of the medical curriculum, may be admitted to the second year of the medical course.

• MEDICAL CERTIFICATE

Upon the successful completion of the two years of the medical curriculum at Wisconsin, a student will be given a formal certificate. A student who completes less than two years of the medical course may, however, obtain credentials covering the premedical and medical studies which he has pursued.

DEGREES

The Medical School at present offers merely the first two years of a four-year medical curriculum and confers no degrees in medicine. The College of Letters and Science confers the degree of Bachelor of Science upon the students registered during the junior and senior years in the Medical School, and the degree of Bachelor of Arts upon students registered during the senior year in the Medical School. The degrees of Master of Science and Doctor of Philosophy are conferred by the University faculty upon graduate students who specialize in the medical sciences and fulfill the usual requirements for these degrees. The degree of Master of Public Health will be given those who successfully complete the courses offered in this subject. The degree of Doctor of Public Health is granted those who do advanced work in this subject. See page 14.

Bachelor of Arts

The regular requirements for this degree apply to those students who elect the work of the first year of the medical course during the senior year in the College of Letters and Science.

Bachelor of Science

(Medical Science Course)

Students in the College of Letters and Science who are candidates for this degree are required to take the following studies:

a. English, 6 credits (3 hours a week for a year), to be taken in the freshman year.

b. Foreign language. (1) A knowledge of elementary Latin, i.e., two years of high school Latin or its equivalent in college. (2) Either the completion of the fourth semester of French or German *at the University of Wisconsin* with a grade of 80 or above or a certificate of reading knowledge of one of these languages from the appropriate department at the University of Wisconsin. At least two years of work in foreign language shall be taken in college. (If first and second year courses are elected this will mean 14 to 16 credits.)

c. Courses in physics, chemistry, biology, and the medical sciences as outlined in the requirements of the Medical School. The requirement made of candidates for the degree of Bachelor of Arts that six unit hours shall be elected in either history or mathematics does not apply to candidates for the degree of Bachelor of Science (Medical Science Course).

d. The "credit" is the standard for computing the amount of work required for graduation. This is equivalent to one hour of recitation or lecture per week for one semester. Students are expected to take 15 credits per week in recitations, lectures, and laboratory work, making 30 credits per year, and 120 for the course. In addition the work in Physical Education or Military drill is required.

No student will be permitted to receive credit toward graduation of more than 18 credits in one semester in regular studies except by permission of the faculty obtained in advance. Candidates for the degree of Bachelor of Arts are not allowed to elect above 16 credits per semester except when the standings of the preceding semester are all 85 or above.

e. *Major Study*.—At the beginning of the sophomore or the junior year, every candidate for the degree of Bachelor of Arts or Bachelor of Science shall elect as his major subject work in some one department. This department will determine the manner in which the work of the major shall be completed.

f. *Thesis*.—All candidates for a baccalaureate degree are required to present a graduating thesis, the subject of which must be approved by the student's adviser and the chairman of the department in which the candidate is doing the work represented by the thesis. The thesis must represent some phase of the student's work in his major study, and must have the character of a scholarly dissertation on the subject.

Master of Science and Doctor of Philosophy

Graduates of the University of Wisconsin or of four-year courses of study in any other approved university or college who matriculate in the Medical School may at the same time register in the Graduate School as candidates for the degree of Master of Science under the following conditions:

1. They shall make application to the Dean of the Graduate School at least seven months prior to the date at which the examinations for the degree are to take place.

2. At the time of application they shall present evidence of having completed such an amount of preliminary work in one of the basal sciences of medicine as will entitle them to take more advanced work in this science than is required in the regular medical curriculum.

3. During the period of at least one academic year, advanced work of this character shall be pursued under the direction of an instructor in the department in which the study is taken. This shall count as a major subject. The regular courses in the medical curriculum shall count as minor subjects.

4. On or before June 1 of the year in which the degree is to be conferred, the candidate must file with the Dean of the Graduate School a thesis approved by the instructor under whom his major has been taken. After the thesis has been submitted, the candidate must sustain an oral examination upon the graduate work offered in support of his candidacy.

The degree of Doctor of Philosophy will be conferred under the usual conditions for this degree upon students registered in the Medical School.

Master of Public Health and Doctor of Public Health

Candidates for the degree of Master of Public Health must fulfill the following requirements: (1) They must be doctors of medicine from schools approved by the Executive Committee of the Medical School as maintaining adequate standards for both academic and professional training. (2) They must complete one year of graduate work in residence at the University of Wisconsin, covering such special subjects as shall be prescribed by the Executive Committee. (3) They must present a thesis acceptable to the Executive Committee. (4) They must be assigned outside practice in board of health work by arrangement with the Executive Committee. (5) They must satisfy the Executive Committee as to their proficiency by examination.

The degree of Doctor of Public Health (Dr.P.H.) is open to holders of the degree of Doctor of Medicine from medical schools recognized as maintaining satisfactory standards. Candidates for the degree of Dr.P.H. are expected to cover here, or elsewhere, the special work prescribed for the degree of Master of Public Health and must spend at least two years in the study of sciences related to hygiene and public health, subsequent to the regular medical course. Two or more years of practical work as a health officer may be substituted for one of these years. The last of these years must be spent at Wisconsin and must be devoted chiefly to work upon a special subject leading to a thesis containing some original research acceptable to the Executive Committee of the Medical School. The major work leading to the thesis shall be accompanied by minor work in at least one other department. A final oral examination shall be given by a committee appointed by the Dean of the Graduate School.

STUDENT ADVISERS

Upon entrance, each student is assigned to a member of the Faculty who acts as his adviser during the freshman and sophomore years. At the beginning of the junior year, at which time,

if not before, the student selects his major study, a professor in the department in which his major is chosen becomes his adviser. Each semester the student is required to consult his adviser concerning the choice of studies, and the adviser must give his approval before the student is permitted to enter classes.

CHOICE OF COURSES

The student who enters the College of Letters and Science with the intention of studying medicine should arrange his work so that he can take up systematically the work required for medical credit and for a bachelor's degree. Elective work should be chosen with the intention of making the course of study broad as well as thorough.

The following language studies are required:

English 1a, 1b.

Two years of foreign language, including second year French or third-year German (unless a high grade is obtained in second-year German).

Students who have not studied Latin in the high school are required to take a course in elementary Latin.

The following science studies are required:*

Pre-Medical Work

| | <i>Lectures and Recitations</i> | <i>Laboratory Hours</i> | <i>Credits</i> |
|----------------------------|-------------------------------------|-----------------------------|----------------|
| Chemistry 1 | 128 | 192 | 10 |
| Organic Chemistry 120..... | 48 | 96 | 4 |
| Physics 1 | 160 | 128 | 10 |
| Biology 1 | 96 | 256 | 10 |
| | <hr/> | <hr/> | <hr/> |
| | 432 | 672 | 34 |

*It is recognized that similar courses at other institutions may not correspond to the scientific courses given at Wisconsin. This will not prevent full credit being granted for approximately equivalent courses pursued elsewhere or during the summer session at Wisconsin.

Study required in the first year of medical course if not presented for matriculation

| | | | |
|----------------------------------|-------|-------|-------|
| Embryology | 16 | 48 | 2 |
| <i>First Year Medical Course</i> | | | |
| Histology | 32 | 112 | 4 |
| Neurology | 32 | 80 | 4 |
| Gross Anatomy | 32 | 352 | 12 |
| Physiology | 112 | 128 | 9 |
| Physiological Chemistry | 20 | 140 | 4 |
| | <hr/> | <hr/> | <hr/> |
| | 228 | 812 | 33 |

Second Year Medical Course

| | | | |
|----------------------------------|-------|---------|-------|
| Pathology | 80 | 192 | 7- 8 |
| Bacteriology and Hygiene.... | 64 | 112 | 5 |
| Pharmacology and Toxicology..... | 64 | 144 | 4- 6 |
| Clinical Medicine | 64-96 | 195-243 | 5-10 |
| | <hr/> | <hr/> | <hr/> |
| | 272 | 643 | 25 |

Required of candidates for a bachelor's degree: Thesis: 128 laboratory hours (4 units).

Required and elective work may be arranged according to one of the following plans:

1. Six-Year Combined Course

(Leading to the B.S. and M.D. Degrees)

If the student has had a thorough preparation in the high school, he may take work in the freshman and sophomore years which will enable him to matriculate in the Medical School in his junior year, take the B.S. degree and get a certificate for two years of medical study at the end of the senior year, and complete his medical course by two years of further study in any medical school which does not require more than two years of college work for entrance. During the freshman and sophomore years such a student will have to confine himself closely to the work in science and language required for matriculation in the Medical School. The exact choice of studies will depend somewhat upon the high-school training and the ability of the student.

The following schedule is suggested:

FRESHMAN YEAR

| | |
|------------------------|------------------------|
| English 1a and 1b..... | 3 credits per semester |
| German or French..... | 4 credits per semester |
| Chemistry 1 | 5 credits per semester |
| Physics 1 or 31..... | 5 credits per semester |

SOPHOMORE YEAR

| | |
|-------------------------------|---------------------------|
| German or French..... | 4 credits per semester |
| Biology 1 | 5 credits per semester |
| Chemistry 120 (Organic)..... | 4 credits first semester |
| Anatomy 115 (Embryology)..... | 2 credits second semester |
| Electives | 3 credits per semester |

JUNIOR YEAR

(First Year in the Medical School)

First Semester

| | |
|---|-----------|
| Anatomy 110 (Histology)..... | 4 credits |
| Physiological Chemistry 104..... | 4 credits |
| Physiology 105 | 2 credits |
| Anatomy 121, laboratory sections alternating with physiological chemistry..... | 6 credits |

16 credits

Second Semester

| | |
|--|-----------|
| Anatomy 126 (Neurology)..... | 4 credits |
| Physiology 105 | 7 credits |
| Anatomy 121, laboratory work alternating with physiology..... | 6 credits |

17 credits

SENIOR YEAR

(Second Year in the Medical School)

First Semester

| | |
|-------------------------------|-------------|
| Pathology 101 | 5-6 credits |
| Medical Bacteriology 102..... | 5 credits |
| Pharmacology* 104-5 | 4 credits |
| Thesis | 2 credits |

17 credits

Second Semester

| | |
|-----------------------------|-----------|
| Pathology 101 | 2 credits |
| Toxicology 101-2 | 2 credits |
| Clinical Medicine 101 | 5 credits |
| Clinical Medicine 102 | 3 credits |
| Clinical Medicine 103 | 2 credits |
| Thesis | 2 credits |
| <hr/> | |
| 16 credits | |

2. Seven-Year Combined Course

(Leading to the B.A. and M.D. Degrees)

In this course the student matriculates as a first-year medical student during his senior year in the College of Letters and Science; receives the B.A. degree upon graduation and takes the second year of the medical course as a graduate student. He can then finish the clinical portion of the medical course by two years of further study, thus making the combined arts and medical course seven years. This course is in many ways preferable to the six-year combined course since it permits a greater freedom of election and broader course of study. The language and science work should follow somewhat the lines laid down for the freshman and sophomore years in the six-year combined course, but can be more spread out and taken in conjunction with the various electives to suit the needs and inclinations of the student.

3. Complete Arts Course Preceding the Medical Course

Students who can afford the time may take the complete arts course before beginning the technical work of the medical course. A bright, well-trained student not infrequently manages to take the B.A. degree in three years. For such a student, the time needed for two degrees would be the same as that mentioned above. For other students eight years are required, four for the B.A. course and four for the medical course. A far broader training is thus afforded than in the shorter combined course. Students expecting to finish the clinical part of the medical course at several of the schools, including Johns Hopkins, Cornell, Columbia, Rush, Western Reserve, Harvard, Yale, California, Leland Stan-

ford, and Pennsylvania, must choose either the course of study mentioned above or the seven-year combined course. The work in science and foreign language should include all of that mentioned in the first two years of the six-year combined course and may profitably extend beyond this.

Credit for Medical Work

Full credit for one year of medical work will not be allowed unless the required preliminary studies and the studies of the first year of the medical course have been completed, and the student has been registered two semesters in the Medical School. Full credit for two years of medical work will be granted only to those who have satisfied the preliminary requirements, who have registered for two college years as medical students, and who have completed all the required studies of the regular curriculum.

Courses for Physicians

The regular courses in the various departments are open to physicians on the adult special basis. It is hoped gradually to develop such shorter special courses as may be of greatest direct, practical benefit to the physicians of the state in aiding them to keep up with the rapid advance in the medical science. Suggestions concerning such courses are desired.

Courses in Public Health

In conjunction with the State Department of Public Health and with the Department of Health of Milwaukee, a course is offered extending over one year and leading to the degree of Master of Public Health. This course is open to those who have received a degree in medicine or in medical or sanitary science and desire to fit themselves especially for public health work. It is also planned to offer a short course each year for those already engaged in public health work, but who desire more insight into certain aspects of this work. The following course leading to the degree of Master of Public Health is announced for the year 1924-25. Candidates for the degree of Doctor of Public Health are required to do advanced work and to write a thesis in addition to completing the work covered by this course.

FIRST SEMESTER

Hygiene 102. 5 cr. Bacteriology for health officers. Dr. Clark, Dr. Stovall.

Hygiene 110. 5 cr. Special pathology and hygiene for health officers. Dr. Bunting, Dr. Evans, Dr. Clark, Dr. Stovall.

Hygiene 115. 2 cr. Public health administration and vital statistics. Mr. Hutchcroft.

SECOND SEMESTER

Hygiene 106. 3 cr. Physiology for health officers. Dr. Eyster, Dr. Dawson.

Hygiene 107. 2 cr. Bacteriology of water and sewage. Mr. Nichols.

Hygiene 120-121. 5 cr. Practical field work. Under the direction of officers of the State Board of Health and of the officers of the Department of Health of the city of Milwaukee.

Pathology 104. 4 cr. Immunity. Dr. Clark.

Zoology 119. 3 cr. Animal parasites. Dr. Pearse.

Elective Courses

Botany 111. Microscopical examinations of drugs and foods.

Botany 221. Classification of parasitic fungi.

Chemistry 113. Water analysis.

Chemistry 146. Foods and Adulterations.

Meteorology 2. Climate and Man.

Sanitary Engineering 110. Hydrology.

Agricultural Bacteriology 121. Dairy Bacteriology.

Dairy Husbandry 2. Milk Inspection.

Dairy Husbandry 5. City Milk Supply.

Dairy Husbandry 120. Market Milk Problems.

Veterinary Science 2. Diseases of Horses and Swine.

Veterinary Science 3. Diseases of Cattle and Sheep.

Scientific Investigations

It is desired that the facilities of the various laboratories of the Medical School be utilized to the greatest advantage in the investigation of the causes and prevention of disease both in man and animals. The laboratories of the Medical School are freely open to those engaged in such investigations and, so far as pos-

sible, aid will be given in the carrying out of investigations of this character either at the University or elsewhere in the state.

DEPARTMENTS OF INSTRUCTION

For a description of the courses in botany, zoology, chemistry, physics, psychology, climatology, and languages, see departmental announcements in the College of Letters and Science.

ANATOMY

Professors BARDEEN, MILLER; Associate Professor SULLIVAN; Assistant Professor BAST; Instructors GEIST, MOSSMAN, OSGOOD; Assistants BLOEMENDAHL, HELLEBRANDT, MUNRO, SHAW, TAYLOR, VANDERKAMP.

A group of courses intended to offer a comprehensive view of the gross and microscopic anatomy and the embryology of mammals with especial reference to man is given in this department. In addition, opportunities are offered for advanced work and research in anatomy and for a study of some of the lower animal types of special interest in medicine. The laboratory is thoroughly equipped with apparatus, models, books, and materials for advanced as well as elementary work.

For those prepared to carry on advanced research, special laboratory facilities are provided.

For Undergraduates and Graduates

110. Histology and Organology. I; 4 cr. The study of the tissues, histology, followed by the study of the minute structure of the chief mammalian organs. Dr. Bast.

115. Mammalian Embryology. II; 2 cr. The development of the pig is studied by means of dissection and the use of microscopic preparations. Human embryology is studied from sections, special preparations, and models. Dr. Bardeen.

120. Human Anatomy. II; 6 cr. For students of physical education. Dr. Bardeen.

121. Human Anatomy. Yr.; 12 cr. In this course a thorough training is offered in the dissection of the human body, and in descriptive human anatomy. Dr. Bardeen, Dr. Sullivan.

122. Topographical Anatomy. II; 2-4 cr. A study of frozen sections and special preparations. Dr. Bardeen.

123. Special Human Anatomy. Those qualified to do independent work may make special arrangements for the study of human anatomy.

126. Neurology. II; 4 cr. This course consists of dissection of the human brain, and a study of the microscopic anatomy of the central nervous system and sense organs. Open only to those who have taken courses 110 and 115, or their equivalent. Dr. Bast.

130. Advanced Anatomy. Opportunity for advanced study in the field of human and comparative anatomy, gross and microscopic, in embryology and experimental morphology, and in laboratory technique is offered to properly qualified students. Under the direction of various members of the staff.

131. Historical Seminary. II; 1 cr. Dr. Miller.

For Graduates

235. Investigation under Direction. To qualified students the department is prepared to offer problems for investigation and training in methods of research. Special arrangements for this work may be made with the individual members of the staff.

240. Independent Investigations. The department will welcome independent investigators who wish to make use of its facilities for conducting research in anatomy.

CLINICAL MEDICINE

Professors EVANS, VAN VALZAH, LORENZ; Associate Professor MIDDLETON; Assistant Professors BLANKINSHIP, MORRIS, MOWRY; Lecturers and Associates BROWN, CARTER, DEAN, GREELEY, JACKSON, KAY, ROBBINS, SCHNEIDERS, TORMEY; Instructors BAUER, GONCE, TENNEY.

101. Physical Diagnosis. II; 5 cr. Normal and pathological clinical diagnosis; besides instruction and medical clinics.

102. Clinical Laboratory Diagnosis. II; 3 cr. Examination of urine, blood, gastric contents, feces, sputum, and exudates in pathological conditions.

103. Minor Surgery and Bandaging. II; 2 cr. Lectures and practice, minor surgery and bandaging, surgical clinics.

104. X-Ray Technique. II; cr. to be arranged.

105. Medical Specialties. II; I cr.

114. Physical Diagnosis. II; 3 cr. For students in physical education.

HYGIENE

In conjunction with the staff of the State Laboratory of Hygiene, the State Board of Health and the Board of Health of the city of Milwaukee, courses in hygiene are offered by members of the Faculty of the Medical School under the general supervision of Dr. Paul F. Clark.

5. Health and Disease. II; 2 cr. The more important aspects of personal and public hygiene; designed especially for students who desire a knowledge of how to promote their own health and that of the community. Dr. Clark, Dr. Stovall.

102. Bacteriology for Health Officers. I; 5 cr. Given in conjunction with medical bacteriology but with special work in the State Laboratory of Hygiene and some special lectures. Dr. Clark, Dr. Stovall.

106. Physiology for Health Officers. II; 5 cr. Given in conjunction with courses 106 and 107 in medical physiology but with special reference to the needs of health officers. Special topics in respiration, dietetics, chemistry of food, air, water, sewage, etc. Dr. Eyster, Dr. Dawson.

107. Bacteriology of Water and Sewage. II; 2 cr. Mr. Nichols.

110. Special Pathology and Hygiene for Health Officers, I or II; 5 cr. Given in conjunction with Pathology 101 and Clinical Medicine 102 but with special work for health officers. Dr. Bunting, Dr. Clark, Dr. Evans, Dr. Stovall.

115. Public Health Administration and Vital Statistics. II; 2 cr. Reading and practical work at the main office of the State Board of Health. Mr. Hutchcroft.

120. Practical Field Work. II; cr. to be arranged. Inspection of slaughterhouses, cow sheds, meats, schools, factories, and workshops. Study of public and private methods of sewage

disposal. Use of disinfectants. Under the direction of officers of the State Board of Health.

121. Practical Field Work. Credit to be arranged. Study of municipal health work under the direction of the Department of Health of the city of Milwaukee.

PATHOLOGY AND MEDICAL BACTERIOLOGY

Professors BUNTING, CLARK; Instructors CROMWELL, HOLFORD, OATWAY, RITCHIE.

Courses 101 and 103 are open to students who have successfully completed courses in histology and embryology. Course 102 is open to students who have had one year each of chemistry and biology. Courses 101 and 102 are required of medical students.

101. General Pathology. I and continued for 5 weeks into second semester; 7-8 cr. The principles of general human pathology and the essentials of pathological anatomy. The laboratory exercises are devoted mainly to a study of pathological histology and to demonstrations of gross morbid specimens. Dr. Bunting.

102. Medical Bacteriology. I; 5 cr. This course, which is especially designed for medical students, considers the bacteria and protozoa that are especially concerned in the production of disease processes. Weekly lectures in immunology. Dr. Clark, Dr. Cromwell, Miss Holford.

103. Experimental Pathology. II; 4 cr. In this course by suitable experiments the work of course 101 is supplemented and elaborated. It may be taken for thesis credit. Dr. Bunting.

104. Immunology. II; 4 cr.; may be taken as thesis course. It includes experimental work with all of the known antibodies and weekly conferences on the fundamental theories of immunology. Open to a limited number of students who have completed course 102. Dr. Clark.

107. Sanitary Bacteriology. II; 2 cr. Designed for students interested in the bacteriological problems involved in the public control of water and sewage. Mr. Nichols.

For Graduates

204. Advanced Pathology. Dr. Bunting.

205. Journal Club. Yr.; 1 cr. Dr. Bunting.

206. Advanced Bacteriology. Dr. Clark.

PHARMACOLOGY AND TOXICOLOGY

Professor LOEVENHART; Assistant Professor LEAKE; Instructors BLECKWENN, WAKERLIN; Research Chemists SANDER, CARROLL, THOMAS.

Elementary and advanced courses in pharmacology and toxicology are offered in this department. For the elementary courses a previous training in physiological chemistry and physiology is required. The advanced courses are open to those who have had adequate elementary training.

101. Toxicology. II; 1 cr. Lectures in the general action of toxic drugs, on diagnosis of poisoning, treatment and the mode of conducting an autopsy when the tissues are to be subsequently examined chemically in medico-legal cases. Dr. Loevenhart.

102. Toxicology. II; 1 cr. Laboratory course. A chemical study of the principal volatile poisons, the alkaloids, the glucosides, and the metallic poisons. Special attention is given to the chief tests for the identification of these poisons. Dr. Loevenhart.

104. Pharmacology. 1; 2 cr. Lectures on the chemistry, the pharmacological and toxicological actions, and the therapeutic uses of the chief medicinal drugs. Practice in prescription writing. Dr. Loevenhart.

105. Pharmacology. I; 2 cr. Laboratory course. Experimental studies on the action of drugs. Dr. Loevenhart.

108. Advanced Work. Those qualified to undertake advanced work and research in pharmacology and toxicology may make arrangements for conducting such work under the supervision of Dr. Loevenhart.

112. Independent Investigation. To any one qualified to carry on work of this character the facilities of the laboratory are available.

116. Journal Club. Yr. A meeting of the Journal Club is held weekly. Advanced students will be expected to report from time to time upon current papers dealing with pharmacology and toxicology.

PHYSIOLOGY

Professors MEEK, EYSTER; Assistant Professor DAWSON; Instructors MCCREA, WILSON; Assistants ELSOM, MORRISON.

1. Elements of Human Physiology. I. Lectures, quizzes, and demonstrations giving a general knowledge of the structure and functions of the human body, and especially adapted to teachers. Students electing this course should have some chemistry. Dr. Meek.

2. Laboratory Course in Elements of Physiology. I; 1 cr. Required of sophomores in home economics. Open as an elective to others taking Course 1. Dr. Meek, Mr. McCrea.

For Undergraduates and Graduates

3. Animal Physiology. II; 4 cr. Especially designed for students in agriculture, but open to others. Dr. Meek and assistants.

105. Medical Physiology. Yr.; 9 cr. Lectures, recitations, demonstrations, and laboratory. Required of juniors in medicine and open to others as an elective. Prerequisites: comparative or human anatomy, histology, neurology, and physiological chemistry. Dr. Meek, Dr. Eyster, Dr. Dawson.

107. Physiology of Exercise. I; 3 cr. Lectures and laboratory. Required of seniors in physical education and open to others as an elective. Prerequisites: Physiology 105 and 115. Dr. Dawson.

115. Physiology. II; 7 cr. Lectures, recitations, demonstrations, and laboratory. Required of juniors in physical education and open to others as an elective. Prerequisites: comparative anatomy and physiological chemistry. Dr. Eyster, Dr. Meek, Dr. Dawson.

118. Advanced Physiology and Research. Yr.; credit according to work done. Dr. Eyster, Dr. Meek, Dr. Dawson.

120. Journal Club. Yr.; 1 cr. Reports of recent physiological and biochemical literature. Dr. Eyster.

121. History of Medicine. I; 1 cr. Prerequisite: Physiology 105 or 115. Dr. Dawson.

For Graduates

208. Advanced Laboratory Course in Physiology. Designed for teachers of animal physiology as well as for physicians and students of medicine who desire a wider experience in experimental physiology than can be gained in course 105. Dr. Eyster.

PHYSIOLOGICAL CHEMISTRY

Professor BRADLEY; Assistant Professor SEVRINGHAUS; Assistants PAULL, SCHOOF, WHIPPLE.

For Undergraduates and Graduates

104. Physiological Chemistry. I; 4 cr. Lectures, conferences and laboratory. Required of juniors in medicine and open to others as an elective. Prerequisites: general and organic chemistry, physics; and biology. Dr. Bradley and Dr. Sevringhaus.

114. Physiological Chemistry. I; 3 cr. Lectures, conferences and laboratory. Required of juniors in physical education and open to others as an elective. Prerequisites: general chemistry, physics, and biology. Dr. Bradley and Dr. Sevringhaus.

117. Advanced Physiological Chemistry and Research. Yr.; credit according to work done. Dr. Bradley.

120. Journal Club. Yr.; 1 cr. Dr. Bradley.

For Graduates

210. Advanced Laboratory Course in Physiological Chemistry. Corresponds to Physiology course 208.

Seminar in Physiology, Pharmacology & Physiological Chemistry. Yr.; 1 cr.

FEES AND EXPENSES**College of Letters and Science, and Medical School**

| | |
|---|----------|
| Resident tuition | Free |
| Nonresident tuition, per semester..... | \$62 |
| Incidental fees for all students, per semester..... | *\$15.50 |

*This includes an infirmary fee of \$3.50.

Summer Session

General fee \$22

Laboratory Fees

| | Fee | Deposit |
|--|--------|---------|
| Anatomy 115, 122, each..... | \$5.00 | ..... |
| Anatomy 110..... | 10.00 | ..... |
| Anatomy 121, per semester..... | 15.00 | ..... |
| Anatomy 126..... | 8.00 | \$2.00 |
| Biological Laboratory, per semester..... | 4.00 | ..... |
| Clinical Medicine 102..... | 10.00 | ..... |
| Clinical Medicine, 103-105, each..... | 5.00 | ..... |
| Pathology, first semester..... | 15.00 | ..... |
| Pathology, second semester..... | 5.00 | ..... |
| Medical Bacteriology, 102..... | 15.00 | ..... |
| Pharmacology 102..... | 4.00 | 1.00 |
| Pharmacology 105..... | 15.00 | 2.50 |
| Physiology 2..... | 2.00 | ..... |
| Physiology 3..... | 3.00 | ..... |
| Physiology 105..... | 17.00 | 1.00 |
| Physiology 115..... | 15.00 | 2.00 |
| Physiology 116..... | 8.00 | 1.00 |
| Physiological Chemistry 104..... | 20.00 | 5.00 |
| Physiological Chemistry 114..... | 14.00 | 5.00 |
| Physiological Chemistry 117..... | 15.00 | 5.00 |

BOARD AND ROOM

Rooms, furnished and unfurnished, can be obtained in the city at prices per week ranging from \$2.50 to \$6.00 a person. The cost of board in clubs is from \$5.00 to \$7.00 per week; in private boarding houses and cafeterias from \$6.50 to \$8.50 a week. Many students obtain room and board in families or clubs by rendering services, but these places are eagerly sought for and cannot always be obtained at once. Those dependent upon themselves for support should not come to the University unless they have a reasonable reserve fund.

SCHOLARSHIPS

For scholarships see Bulletin of General Information.

THE MEDICAL SCHOOL
STUDENTS MATRICULATED 1923-24

29

First Year

| | |
|----------------------------------|-------------------------------|
| Anderson, Ruth | <i>Milwaukee</i> |
| Baldwin, Raymond | <i>Beloit</i> |
| Berg, George | <i>Madison</i> |
| Bloemendal, Willard | <i>Holland, Michigan</i> |
| Breister, B. ¹ | <i>Fond du Lac</i> |
| Brindley, Emma D. | <i>Boscobel</i> |
| Burke, Charles | <i>West De Pere</i> |
| Burke, Meade | <i>Madison</i> |
| Chorlog, John | <i>Madison</i> |
| Chesky, George* | <i>Milwaukee</i> |
| Clauson, Theron* | <i>Bloomer</i> |
| De Nosaquo, N. V. | <i>Milwaukee</i> |
| Dewarzeger, Victor | <i>Green Bay</i> |
| Eagleberger, L. S. | <i>Stevens Point</i> |
| Elsom, Kendall | <i>Madison</i> |
| Emanuel, Alvin* | <i>Fall Creek</i> |
| Emanuel, Karl | <i>Shawano</i> |
| Emery, Myra | <i>Madison</i> |
| Engleman, Victor C. ¹ | <i>What Cheer, Iowa</i> |
| Erickson, Milton | <i>Lowell</i> |
| Eschweiler, Paul | <i>Madison</i> |
| Faletti, Anthony | <i>Oak Park, Illinois</i> |
| Feldman, Sam ¹ | <i>Sheboygan</i> |
| Finner, Lucy | <i>Clifton Springs, N. Y.</i> |
| Foucek, B. | <i>Berwyn, Illinois</i> |
| Grab, John | <i>Manawa</i> |
| Hatfield, Margaret | <i>Madison</i> |
| Hellebrandt, Frances | <i>Oak Park, Illinois</i> |
| Henderson, Napier ¹ | <i>Madison</i> |
| Hendrickson, Herman* | <i>Black River Falls</i> |
| Johnson, Vincent | <i>Madison</i> |
| Jones, Ralph | <i>Plymouth</i> |
| Keck, E. B. | <i>Madison</i> |
| Knudson, J. W. | <i>Galesville</i> |
| Kojis, Ferdinand | <i>Milwaukee</i> |
| Kriz, George | <i>Milwaukee</i> |
| Kuhn, H. A. | <i>Madison</i> |
| Kurtz, Chester | <i>Milwaukee</i> |

| | |
|--------------------------------|-----------------------------|
| Lins, Beatrice | <i>Spring Green</i> |
| Lipman, William | <i>Antigo</i> |
| Long, Chester | <i>Stanley</i> |
| Ludden, Raymond | <i>Bloomington</i> |
| Marsden, Wendell ¹ | <i>Fennimore</i> |
| Mason, Frank | <i>Milwaukee</i> |
| McGreane, Frank | <i>Shullsburg</i> |
| McNair, E. Ralph | <i>Brodhead</i> |
| Millard, Allen | <i>New London</i> |
| Milliren, Russell | <i>Stockholm</i> |
| Morrison, John T. | <i>Owensboro, Ky.</i> |
| Munro, Jeannette | <i>Princeton, N. J.</i> |
| Noer, Rudolph | <i>Wabeno</i> |
| Packard, John | <i>Rhindclander</i> |
| Paull, Roscoe | <i>Ridgeway</i> |
| Perrodin, Chester ¹ | <i>Wisconsin Rapids</i> |
| Portman, Raymond | <i>Ladysmith</i> |
| Prehn, Douglas | <i>Wausau</i> |
| Ralph, L. P. | <i>Cuba City</i> |
| Rathert, B. S. ¹ | <i>Chilton</i> |
| Reay, George | <i>Milwaukee</i> |
| Rekstad, Julius* | <i>Eau Claire</i> |
| Richards, Raymond | <i>Chetek</i> |
| Rowe, Lawrence* | <i>Hibbing, Minn.</i> |
| Rydell, Otto E. | <i>Superior</i> |
| Sander, Oscar | <i>Madison</i> |
| Schoofs, G. E. | <i>Fond du Lac</i> |
| Schumacher, David* | <i>Milwaukee</i> |
| Senn, Milton | <i>Madison</i> |
| Shaw, Gerald | <i>Waunakee</i> |
| Simon, Harry | <i>New York City</i> |
| Skolas, Marcus | <i>Chicago, Illinois</i> |
| Spooner, Dwight | <i>La Verne, Iowa</i> |
| Staley, Kate | <i>Springfield, Ohio</i> |
| Steen, Reginald | <i>Bloomfield, New York</i> |
| Sterling, Russell | <i>Stanley</i> |
| Supernaw, Jack | <i>Charlevoix, Michigan</i> |
| Taylor, Arthur | <i>Sioux City, Iowa</i> |
| Teschan, Rudolf | <i>Milwaukee</i> |
| Thiel, Wilfred | <i>Marshfield</i> |
| Thoeny, Oscar | <i>Fountain City</i> |

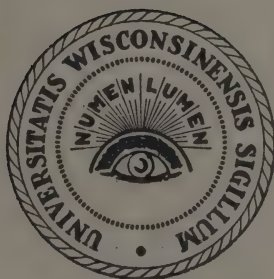
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THE UNIVERSITY OF WISCONSIN

Bulletin of
The Medical School

Announcement of Premedical and
Medical Courses and Courses in Hygiene

1926-27



MADISON, WISCONSIN

July, 1926

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BULLETIN OF THE UNIVERSITY OF WISCONSIN

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STATE OF WISCONSIN GENERAL HOSPITAL

THE REGENTS OF THE UNIVERSITY

GLENN FRANK, President of the University, *ex-officio*

JOHN CALLAHAN, State Superintendent of Public Instruction, *ex-officio*

| | Term Expires |
|---|-----------------|
| State-at-Large—ADOLF GUNDERSEN, La Crosse..... | 1931 |
| State-at-Large—MISS ZONA GALE, Portage..... | 1929 |
| State-at-Large—FRED E. BACHMAN, Appleton..... | 1930 |
| State-at-Large—JOHN C. SCHMIDTMANN, Manitowoc..... | 1932 |
| First District—VICTOR P. RICHARDSON, Janesville..... | 1931 |
| Second District—DANIEL H. GRADY, Portage..... | 1930 |
| Third District—MICHAEL B. OLBRICH, Madison..... | 1931 |
| Fourth District—MISS LEOLA M. HIRSCHMAN, Milwaukee..... | 1928 |
| Fifth District—THEODORE KRONSHAGE JR., Milwaukee..... | 1927 |
| Sixth District—MISS ELIZABETH WATERS, Fond du Lac..... | 1927 |
| Seventh District—MRS. CLARA T. RUNGE, Baraboo..... | 1932 |
| Eighth District—FRANKLIN A. NACE, Iola..... | 1928 |
| Ninth District—JOHN E. CASHMAN, Denmark..... | 1930 |
| Tenth District—BEN F. FAAST, Eau Claire..... | 1932 |
| Eleventh District—GEORGE A. NELSON, Milltown..... | 1929 |

OFFICERS OF THE REGENTS

THEODORE KRONSHAGE, JR., President

BEN F. FAAST, Vice President

SOLOMON LEVITAN, State Treasurer, *ex-officio* Treasurer

JAMES D. PHILLIPS, Business Manager

MAURICE E. MCCAFFREY, Secretary

THE BOARD OF VISITORS

Regent Appointments

| | Term Expires |
|-----------------------------------|-----------------|
| GEORGE P. HAMBRECHT, Madison..... | 1927 |
| LOYAL DURAND, Milwaukee..... | 1928 |
| HARRY W. KIRCHER, Sheboygan..... | 1929 |
| WILLIAM J. MEUER, Madison..... | 1930 |

Alumni Appointments

| | |
|---|------|
| ISRAEL SHRIMSKI, Chicago..... | 1927 |
| B. E. McCORMICK, La Crosse..... | 1928 |
| MRS. LUCY M. BERRY, Chicago, Ill..... | 1929 |
| MRS. CHARLES R. CARPENTER, Madison..... | 1930 |

Governor's Appointments

| | |
|------------------------------------|------|
| MRS. C. E. PATZER, Milwaukee..... | 1927 |
| MRS. JULIA A. SCHNETZ, Racine..... | 1928 |
| CARL J. HESGARD, Orfordville..... | 1929 |
| W. V. KIDDER, La Crosse..... | 1930 |

CALENDAR

ACADEMIC YEAR 1926-27

FIRST SEMESTER

| | | |
|----------------|-----------------------------|--|
| Sept. 16-18 | Thursday-Saturday (noon) | Early registration days |
| Sept. 16, 17 | Thursday, Friday | Examinations for admission |
| Sept. 20, 21 | Monday, Tuesday | Registration days |
| Sept. 22 | Wednesday | Instruction begins |
| Sept. 25 | Saturday | Special examinations for removal of conditions |
| Nov. 25 | Thursday | Thanksgiving Day: legal holiday (one day only) |
| Dec. 22-Jan. 6 | Wed. (noon)-Thurs. (8 a.m.) | Christmas recess |
| Jan. 15 | Saturday | Examinations for removal of conditions |
| Jan. 24-Feb. 2 | Monday-Wednesday | Final examinations |

SECOND SEMESTER

| | | |
|-------------|---------------------------|--|
| Feb. 3, 4 | Thursday, Friday | Registration days for new students |
| Feb. 7 | Monday | Instruction begins |
| Feb. 22 | Tuesday | Washington's Birthday; legal holiday |
| April 6-12 | Wednesday-Tuesday (incl.) | Spring recess |
| April 16 | Saturday | Examinations for removal of conditions |
| May 30 | Monday | Memorial Day; legal holiday |
| June 6-14 | Monday-Tuesday | Final examinations |
| June 13, 14 | Monday, Tuesday | Examinations for admission |
| June 17-20 | Friday-Monday | Commencement exercises |

SUMMER SESSION, 1927

| | | |
|-----------|----------|---|
| June 20 | Monday | Law School opens |
| June 25 | Saturday | Registration day, University at large |
| June 27 | Monday | Instruction begins, University at large |
| July 4 | Monday | Independence day; legal holiday |
| August 5 | Friday | Final examinations, University at large |
| August 26 | Friday | Law School closes |

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INFORMATION

For information in regard to the medical course communicate with:

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Dean of the Medical School,
University of Wisconsin,
412 North Charter Street,
Madison, Wisconsin.

For information in regard to the premedical course communicate with:

Dr. W. J. Meek,
Assistant Dean of the Medical School,
University of Wisconsin,
Madison, Wisconsin.

THE MEDICAL SCHOOL

FACULTY

GLENN FRANK, LL.D., President of the University, *ex-Officio*.

FULL SERVICE STAFF

CHARLES RUSSELL BARDEEN, Professor of Anatomy and Dean of the Medical School.

B.A., Harvard, 1893; M.D., Johns Hopkins, 1897. Assistant in Anatomy, Johns Hopkins, 1897-99; Associate 1899-01; Associate Professor 1901-04. Professor of Anatomy, Wisconsin, 1904-; Dean of Medical School, 1907-. Honorary member of the Radiological Society of North America; Member of Association of Anatomists and of the Society of Experimental Biology; President, Association of American Medical Colleges, 1916; President State Medical Society, 1920.

WALTER JOSEPH MEEK, Professor of Physiology and Assistant Dean of the Medical School.

B.A., Kansas, 1902; Ph.D., Chicago, 1909. Instructor in Physiology, Wisconsin, 1908-10; Assistant Professor, 1910-13; Associate Professor, 1913-18; Professor, 1918-. Assistant Dean, 1920-. Major, Chemical Warfare Service, 1917-18. Associate Editor *Physiological Reviews*. Secretary, American Physiological Society.

CHARLES HENRY BUNTING, Professor of Pathology.

B.S., Wisconsin, 1896; M.D., Johns Hopkins, 1901; Fellow in Biology, Wisconsin, 1896-97; Assistant Demonstrator in Pathology, Pennsylvania, 1902-03; Assistant Instructor and Associate, Johns Hopkins, 1903-06; Pathologist to Bay View Hospital, Baltimore, 1904-06; Assistant Resident Pathologist, Johns Hopkins Hospital, 1903-06; Professor of Pathology and Bacteriology, University of Virginia, 1906-08; Pathologist to Virginia University Hospital, 1906-08; Professor of Pathology, Wisconsin, 1908-. Member, American Association of Pathologists and Bacteriologists, Association of American Physicians, Society of Experimental Biology, Society of Experimental Pathology; Consulting Pathologist, Chemical Warfare Service, 1917-18; Pathologist to Wisconsin General Hospital.

HAROLD CORNELIUS BRADLEY, Professor of Physiological Chemistry.

A.B., California, 1900; Ph.D., Yale, 1905; Instructor, Yale Medical School, 1905-06; Assistant Professor of Physiological Chemistry, University of Wisconsin, 1906-13; Associate Professor, 1913-18; Professor, 1918-. Major, Chemical Warfare Service, U. S. Army, 1917-18; Member of American Chemical Society, Physiological Society, Society Biological Chemistry, A.A.A.S.

ROBIN CARL BUERKI, Superintendent of Wisconsin General Hospital.

B.S., Wisconsin, 1915; M.D., Pennsylvania, 1917; Intern and Chief Resident, University of Pennsylvania Hospital, 1917-19. Lieutenant, Division of Head Surgery, U. S. Army, 1917-18. Vice President, Wisconsin Hospital Association. Acting Superintendent, Wisconsin General Hospital, 1923-24; Superintendent, 1924-.

PAUL FRANKLIN CLARK, Professor of Bacteriology.

Ph.B., Brown University, 1904; A.M., Brown, 1905; Ph.D., Brown, 1909; Assistant in Biology and Bacteriology, Brown University, 1904-06; Assistant Bacteriologist, Rhode Island State Board of Health, 1906-07; Fellow, Assistant and Associate in Department of Pathology, Rockefeller Institute, 1909-14; Associate Professor of Bacteriology, Wisconsin, 1914-18; Professor of Bacteriology, 1918-. Member of Society of Bacteriologists, Society of Experimental Biology, Society of Experimental Pathology, Public Health Association, Harvey Society. Consulting Bacteriologist, Chemical Warfare Service, 1917-18; Bacteriologist to Wisconsin General Hospital.

JOSEPH SPRAGG EVANS, Professor of Medicine.

B.A., Haverford, 1895; M.D., Pennsylvania, 1899; Intern, Germantown Hospital, 1899-1900; University Hospital, 1900-01; University of Vienna, 1901-02; Pasteur Institute, 1902; Instructor Clinical Medicine, University of Pennsylvania, 1902-10; Professor of Clinical Medicine, Wisconsin, 1910-24; Professor of Medicine, Wisconsin 1924-. Chairman, Medical Section, Wisconsin Council of Medical Defense, 1918; Fellow, American College of Physicians, Fellow, College of Physicians, Philadelphia. Physician, State of Wisconsin General Hospital, 1924-.

JOHN AUGUSTINE ENGLISH EYSTER, Professor of Physiology.

B.Sc., University of Maryland, 1899; M.D., Johns Hopkins University, 1905; Fellow, Assistant, Instructor and Associate in Physiology, John Hopkins University, 1906-09; Professor of Pharmacology, University of Virginia, 1910-11; Professor of Physiology, University of Wisconsin, 1911-. Major, Chemical Warfare Service, 1917-18. Lt. Colonel, O.R.C., M.C. Member of the American Physiological Society, American Pharmacological Society, Society of Experimental Biology and Medicine; Association of American Physicians; Associate Physician, State of Wisconsin General Hospital.

ARTHUR SOLOMAN LOEVENHART, Professor of Pharmacology and Toxicology.

B.S., Kentucky State University, 1898; M.S., Kentucky, 1899; M.D., Johns Hopkins, 1903; Assistant in Pharmacology, Johns Hopkins, 1903-04; Associate, 1904-06; Assistant Professor, 1906-08; Professor of Pharmacology and Toxicology, University of Wisconsin, 1908-. Chemical Warfare Service, 1917-1918; Consultant, Chemical Warfare Service, 1920-. Member American Chemical Society, Society Biological Chemists, Society Experimental Biology, Physiological Society, Pharmacological Society (President 1919-20). Pharmacologist, Wisconsin General Hospital.

WILLIAM FREDERICK LORENZ, Professor of Neuro-Psychiatry.

M.D., Bellevue Hospital College, 1903; Intern, St. Vincent's Hospital, New York, 1902-03; St. John's Hospital, 1904-05; Senior Physician, Manhattan State Hospital, N. Y., 1906-10; Clinical Director, Wisconsin State Hospital, 1910-13; Special Expert, United States Public Health Service, Pellagra Commission, 1913-14; Director, Wisconsin Psychiatric Institute, 1915. Major, Medical Corps, U. S. Army, A. E. F., 1917-19. Cited D. S. M. Lt. Col., Wis. N. G. and U. S. Med. R., 1925-. Medical Councilor, U. S. Veterans' Bureau, 1923-. President, Wisconsin State Board of Control, 1924-25. Associate Professor of Neuro-Psychiatry, Wisconsin, 1915-20; Professor 1920-. President, Medical Staff, St. Mary's Hospital, Madison. Member Nat'l. Rehabilitation Committee, Advisory Council, American Legion, 1922-. Member, A. M. A., American Psychiatric Association, Central Psychiatric Association. Neuro-Psychiatrist, State of Wisconsin General Hospital, 1924-.

WILLIAM SNOW MILLER, Emeritus Professor of Anatomy.

M.D., Yale, 1879; Sc.D., (Hon.) University of Cincinnati, 1920; Scholar and Fellow, Clark University, 1889-92; Fellow, Johns Hopkins, 1905-06; Special Lecturer, Mt. Holyoke College, 1889; Pathologist, Worcester City Hospital, and the Memorial Hospital, Worcester, Massachusetts, 1889-92; Instructor, Vertebrate Anatomy, University of Wisconsin, 1892-95; Assistant Professor of Anatomy, 1895-04; Associate Professor, 1904-16; Professor, 1916-24; Emeritus Professor, Wisconsin, 1924-; Lecturer in Medicine, Johns Hopkins Medical School, 1918-19; Lecturer in School of Tuberculosis, U. S. Veterans' Hospital No. 41, New Haven, Connecticut, 1923 and 1924, and at No. 98, Beacon, New York, 1925; Member, Association Anatomists (Vice-President, 1909); National Tuberculosis Association, American Association for the Advancement of Science; Société Internationale d'Histoire de la Médecine; Deutschen Gesellschaft für Geschichte der Medizin und der Naturwissenschaften; Honorary member, Wisconsin State Medical Society, Society of Medical History of Chicago; Special investigator, National Tuberculosis Association, 1920-.

WILLIAM ATWOOD MOWRY, Physician-in-Chief, Student Health Service.

M.D., Northwestern, 1910; Intern, St. Luke's Hospital, Chicago, 1910-11; Physician at French Lick Springs Hotel, 1911-20; Medical Director, Monitor Stove Company, Cincinnati, 1920-22; Assistant Professor Clinical Medicine, Wisconsin, 1923; Chief of the Student Health Service, 1924-.

ERWIN RUDOLPH SCHMIDT, Professor of Surgery.

A.B., Wisconsin, 1913; M.D., Washington, 1916; Intern, Barnes Hospital, 1916-17; Intern, Augustana Hospital, 1917; First Lieutenant, M. R. C. 1917-18; Captain, M. C., U. S. A., 1918-19; Commanding officer, U. S. A. Base Hospital No. 11; January 1919-May 1919; Intern, Augustana Hospital, 1919; Chief Assistant, 1920-21; Exchange Assistant, Maria Hospital, Stockholm, Sweden, 1921-22; Exchange Assistant, Städtische Krankenhaus, Frankfurt a Main Germany, 1922-23; Assistant attending surgeon, St. Vincent's Hospital, 1923-25; Junior attending surgeon, Augustana Hospital, 1922-25; Professor of Surgery, Wisconsin, 1926-; Member, American College of Surgeons; Surgeon, State of Wisconsin General Hospital, 1926-.

WILLIAM DAVIDSON STOVALL, Professor of Hygiene.

B.S., Mississippi, 1906; M.D., Tulane, 1911; Intern, St. Vincent's Hospital, Birmingham, 1911-12; Graduate student Tulane and U. S. Marine Hospital, 1913-14; Bacteriologist, State Laboratory of Hygiene, 1914-15; Associate Professor of Hygiene, Wisconsin, 1915-25; Professor of Hygiene, Wisconsin, 1925-; Director, State Laboratory of Hygiene, 1915-; Member, Society Bacteriologists; American Medical Association; American Public Health Association; American Society of Clinical Pathologists; Clinical Pathologist, State of Wisconsin General Hospital, 1924-.

WALTER EDWARD SULLIVAN, Professor of Anatomy.

A.B., Bates College, 1907; A.M., Brown University, 1909; Ph.D., 1912; Instructor in Biology, Western Reserve University, 1911; Assistant Professor, Marquette University, 1913-15; Professor, Tufts College, 1915-20; Assistant Professor of Anatomy, Wisconsin, 1920-24; Associate Professor, 1924-25; Professor 1925-; Member, Association of Anatomists.

ROBERT VAN VALZAH, Professor of Clinical Medicine.

A.B., Princeton, 1904; M.D., Pennsylvania, 1908; Intern, Children's Hospital, Atlantic City, 1907-08; St. Christopher's, Philadelphia, 1908-09; Resident, University of Pennsylvania Hospital, 1908-10; Instructor Clinical Medicine, Wisconsin, 1910-11; Assistant Professor, 1911-13; Associate Professor, 1913-18; Professor, 1918-; Physician, S. A. T. C., 1917-18; Chief of Student Health Service, Wisconsin, 1918-24; Associate Physician, State of Wisconsin General Hospital, 1924-.

THEODORE HIERONYMUS BAST, Associate Professor of Anatomy.

A.B., Ripon College, 1912; Ph.D., University of Chicago, 1922; Fellow in Anatomy, University of Chicago, 1918-19; Instructor, Rush Medical College, 1919-20; Member, Association of Anatomists; Assistant Professor, University of Wisconsin, 1920-25; Associate Professor, 1925-.

PERCY MILLARD DAWSON, Associate Professor of Physiology.

A.B., Johns Hopkins, 1894; M.D., Johns Hopkins, 1898; Assistant in Physiology, 1899-1900; Instructor, 1900-01; Associate 1901-04; Associate Professor, 1904-09; Member, Physiological Society; Instructor in Physiology, Wisconsin, 1913-16; Assistant Professor of Physiology, Wisconsin, 1916-25; Associate Professor, 1925-.

JAMES CLAUDE ELSOM, Associate Professor of Physical Education and Physio-Therapy.

M.D., Medical College of Virginia, 1886; Associate Professor of Physical Education, Wisconsin, 1894-; Director of Department of Physio-Therapy, Walter Reed Hospital, 1917-18; Director, Physio-Therapy, U. S. A. General Hospital No. 3, Rahway, N. J. 1919; Physio-Therapist, Wisconsin General Hospital, 1920-.

CHAUNCEY DEPEW LEAKE, Associate Professor of Pharmacology.

Litt.B., Princeton, 1917; M.S., Wisconsin, 1920; Ph.D., Wisconsin, 1923; Chemical Warfare Service, 1917-18; Member, Pharmacological Society; American Physiological Society; History of Science Society; Instructor in Physiology, Wisconsin, 1921-23; Assistant Professor of Pharmacology, Wisconsin, 1923-25; Associate Professor of Pharmacology, 1925-; Associate Pharmacologist, Wisconsin General Hospital.

EDGAR MATHIUS MEDLAR, Associate Professor of Pathology.

B.Sc., Doane College, 1908; M.A., Nebraska, 1911; M.D., Harvard, 1913; Assistant Pathologist, Pathological Laboratory, Boston City Hospital, 1914-17; Instructor of Pathology and Bacteriology, Dartmouth Medical School, 1913-14; Assistant Professor of Pathology, Army Medical School, 1918-19; Pathologist, University Hospital, University of Iowa, 1919-20; Professor of Pathology, University of Tennessee Medical School, 1920-21; Acting Head, Department of Pathology and Bacteriology, University of Iowa, 1921-22; Special Lecturer in Pathology, Albany Medical School, 1922-24; Associate Professor of Pathology, Wisconsin, 1924-; Member, Association of Pathologists and Bacteriologists. Associate Pathologist, Wisconsin General Hospital, 1924-.

WILLIAM SHAINLINE MIDDLETON, Associate Professor of Medicine.

M.D., University of Pennsylvania, 1911; Intern, Philadelphia General Hospital and Babies' Hospital, Philadelphia, 1911-12; Member, American Society

for Clinical Investigation; Instructor in Clinical Medicine, Wisconsin, 1912-15; Assistant Professor, Wisconsin, 1915-23; Associate Professor, 1923-25; Associate Professor of Medicine, 1925-. Captain, M. O. R. C., 1917-19. Consultant in Tuberculosis, U. S. Veterans' Bureau; Associate Physician, State of Wisconsin General Hospital.

SARAH ISABELLE MORRIS, Associate Professor of Clinical Medicine.

M.D., Women's Medical College of Pennsylvania, 1910; Intern, Philadelphia Hospital, 1910-11; Medical Adviser to Women, Wisconsin, 1911-13; Instructor Clinical Medicine, Wisconsin, 1913-15; Assistant Professor of Clinical Medicine, Wisconsin, 1915-26. Associate Professor 1926-. Associate Physician, Student Health Service.

ELMER L. SEVRINGHAUS, Associate Professor of Physiological Chemistry.

B.A., Wisconsin, 1916; M.A., Wisconsin, 1918; M.D., Harvard, 1921; Assistant in Chemistry, Wisconsin, 1916; Assistant in Physiological Chemistry, Wisconsin, 1917-19; Assistant Professor of Physiological Chemistry, 1921-25; Associate Professor of Physiological Chemistry, Wisconsin, 1925-. Member, Society Biological Chemists, American Chem. Soc.; Chemist, State of Wisconsin General Hospital.

WILLIAM JEFFERSON BLECKWENN, Assistant Professor of Neuro-Psychiatry.

B.S., Wisconsin, 1917; M.D., Columbia, 1920; Intern, Bellevue Hospital, New York City; Instructor, Neuro-Psychiatry, 1924-25; Assistant Professor, 1925-. Associate Director, Wisconsin Psychiatric Institute, 1925-; Associate Neurologist, State of Wisconsin General Hospital, 1924-.

ROBERT EMMETT BURNS, Assistant Professor of Orthopedic Surgery.

B.S., Wisconsin, 1917; M.D., Pennsylvania, 1919; Intern, St. Mary's Hospital, Madison, 1919-21; Hospital for Ruptured and Crippled Children, New York City, 1921-23; Mayo Clinic, 1922-23; Resident in Surgery, State of Wisconsin General Hospital, 1924-26; Instructor in Orthopedic Surgery, 1925; Assistant Professor of Orthopedic Surgery, 1926-; Assistant Orthopedic Surgeon, State of Wisconsin General Hospital, 1926-.

HOBART WILLIAM CROMWELL, Assistant Professor of Bacteriology.

A.B., Indiana State Normal, 1917; D.Sc., Johns Hopkins School of Hygiene, 1922; Instructor in Bacteriology, Wisconsin, 1922-25; Assistant Professor of Bacteriology, Wisconsin, 1925-.

FREDERICK DENKMAR GEIST, Assistant Professor of Anatomy.

M.D., Tufts College Medical School, 1920; Member American Association of Anatomists; Instructor in Anatomy, Wisconsin, 1920-25; Assistant Professor of Anatomy, 1925-.

JOHN EUGENE GONCE, JR., Assistant Professor of Pediatrics.

A.B., University of Delaware, 1913; M.D., University of Pennsylvania, 1918; Intern, University Hospital, Philadelphia, 1918; Graduate Student in Pediatrics, Children's Hospital, Philadelphia, 1922-23; and Johns Hopkins Hospital, Harriet Lane Home, 1923; Instructor of Clinical Medicine, 1919-25; Associate

in Pediatrics, 1925-26; Assistant Professor of Pediatrics, 1926-; Associate Pediatrician, State of Wisconsin General Hospital, 1925-.

MERLE STARR NICHOLS, Assistant Professor of Sanitary Chemistry.

B.S., Wisconsin, 1916; M.S., Wisconsin, 1918; Assistant Professor of Sanitary Chemistry, 1926-; Chemist, State Laboratory of Hygiene, 1926-.

CLARENCE WEINERT MUEHLBERGER, Assistant Professor of Toxicology.

B.S., Armour Institute of Technology, 1920; M.S., Wisconsin 1922; Ph.D., Wisconsin, 1923; State Toxicologist; Member American Chemical Society, Electro-Chemical Society; Assistant Professor of Toxicology, 1925-.

ALTON OCHSNER, Assistant Professor of Surgery.

B.A., South Dakota, 1918; M.D., Washington, 1920; Intern, Medical Service, Barnes Hospital, 1920-21; Intern, Surgical Service, Augustana Hospital, 1921-22; Assistant to Professor Clairmont, University of Zurich, Zurich, Switzerland, 1922-23; Assistant to Professor Schmieden, University of Frankfurt, Frankfurt a Main, Germany, 1923-24; Visiting Staff, Columbus Hospital, Chicago, and St. Mary's of Nazareth Hospital, Chicago, 1925-26; Instructor in Surgery, Northwestern, 1925-26; Assistant Professor, Wisconsin, 1926-; Assistant Surgeon, Wisconsin General Hospital, 1926-.

HANS REESE, Assistant Professor of Neuro-Psychiatry.

M.D., University of Kiel, Germany, 1918; First Assistant and Resident of the Navy Hospital at Kiel, Department of Dermatology and Syphilology, 1917-18; Co-assistant in Pathology, University of Hamburg, 1918-19; Assistant of the Neurological Clinic, 1919-22; Assistant of the Department of Internal Medicine, 1922-23; Senior Assistant of the Research Department, Wisconsin Psychiatric Institute, 1924-; Assistant Professor of Neuro-Psychiatry, 1925-; Associate Neuro-Psychiatrist, Wisconsin General Hospital, 1924-.

HERBERT AITKEN, Instructor in Pathology.

B.S., Wisconsin, 1926.

MARK JOHN BACH, Instructor in Ophthalmology.

B.S., Wisconsin, 1921; M.D., Pennsylvania, 1923; Intern, Post-Graduate School, University of Philadelphia, 1923; Resident in Medicine, Wisconsin General Hospital, 1924; Resident in Ophthalmology, 1926-. Instructor in Clinical Medicine, 1925. Chief Resident Physician, Wisconsin General Hospital, 1924-.

IRMA BACKE, Instructor in Clinical Medicine.

M.D., Minnesota, 1924; Interne, New York Infirmary, New York City. 1924-25; Instructor in Clinical Medicine, 1925-; Assistant Physician, Student Health Service, 1925-.

HARRY BAERNSTEIN, Instructor in Physiological Chemistry.

B.S., Wisconsin, 1921.

IVAN GEORGE ELLIS, Instructor in Clinical Medicine.

B.S., Wisconsin, 1922; M.D., Rush, 1924; Intern, Evanston Hospital, 1924-25; Assistant Physician, Student Health Service, 1925-. Instructor in Clinical Medicine, 1925-.

KARL FRIEDBACHER, Instructor in Anatomy.

B.S., Wisconsin, 1923; M.D., Pennsylvania, 1925; Intern, Henry Ford Hospital, 1925-26; Instructor in Anatomy, 1926-.

HARRY VICTOR GIBSON, Instructor in Neuro-Psychiatry.

M.D., Washington University, 1924; Clinical Research, 1924-25; Associate Clinician, Psychiatric Institute, 1925-. Instructor 1925-.

FRANK GILLETTE, Instructor in Pathology.

B.S., Wisconsin, 1926.

FRANCES ELIZABETH HOLFORD, Instructor in Bacteriology.

B.A., Wisconsin, 1923; M.A., Wisconsin, 1924; Assistant in Bacteriology, Wisconsin, 1921-23; Instructor, 1923-.

GEORGE JACOB KASTLIN, Instructor in Clinical Pathology.

B.S., Wisconsin, 1922; M.D., Pennsylvania, 1924; Mercy Hospital, Pittsburg, Pa., 1921-25; Pathologist, Toronto General Hospital, 1925-26; Instructor in Clinical Pathology, 1926-; Associate Clinical Pathologist, Wisconsin General Hospital, 1926-.

DANIEL BARTLETT MACCALLUM, Instructor in Clinical Medicine.

B.S., University of Chicago, 1919; Ph.D. in Anatomy, University of Chicago, 1922; M.D., Rush Medical College of University of Chicago, 1925; Intern, Washington Boulevard Hospital, Chicago, 1925-26; Assistant Physician, Student Health Service, 1926-.

FORREST DRAPER MCCREA, Instructor in Physiology.

B.S., Purdue University, 1918; M.S., Illinois, 1920; Industrial Bacteriologist, 1918-19; Assistant in Physiology, Illinois, 1920-23; Instructor in Physiology, 1923-.

EDWIN DANIEL MCKINLEY, Instructor in Clinical Medicine.

B.S., Wisconsin, 1923; M.D., Washington, 1925; Intern, Wisconsin General Hospital, 1925-26; Resident in Medicine, 1926-; Instructor in Clinical Medicine, 1926-.

JOSEPH HENRY MARKS, Instructor in Physiological Chemistry.

B.A., Wisconsin, 1925; M.A., Wisconsin, 1926; Student Assistant in Physiological Chemistry, 1925-26; Instructor in Physiological Chemistry, 1926-.

OTTO AXEL MORTENSEN, Instructor in Anatomy.

B.S., Wisconsin, 1926; Student Assistant in Anatomy, 1925-26; Instructor in Anatomy, 1926-.

HARLAND WINFIELD MOSSMAN, Instructor in Anatomy.

B.S., Alleghany, 1920; M.S., Wisconsin, 1922; Ph.D., Wisconsin, 1924; Laboratory Assistant, Alleghany, 1919-20; Assistant in Zoology, Wisconsin, 1920-24; Instructor in Anatomy, Wisconsin, 1924-.

CARROLL WILCOX OSGOOD, Instructor in Anatomy.

B.S., Wisconsin, 1922; Instructor, 1922-.

WESLEY THEODORE POMMERENKE, Instructor in Physiology.

B.A., Kansas, 1922; M.A., Kansas, 1923; Ph.D., Wisconsin, 1926; Fellow in Zoology, Kansas, 1922-23; Assistant in Zoology, Wisconsin, 1923-24; Research Assistant in Zoology, Wisconsin, 1924-25; Instructor in Physiology, Wisconsin, 1925-.

KARVER LOUIS PUESTOW, Physician Out-Patient Department.

B.S., Wisconsin, 1919; B.M., Minnesota, 1921; M.D., Minnesota, 1922; Instructor in Clinical Medicine, Wisconsin, 1922-23; 1924-25; Physician, Out-patient Department, Wisconsin General Hospital, 1925-.

JOHN G. SINCLAIR, Instructor in Anatomy.

B.S., University of Chicago, 1911; M.S., North Dakota, 1925; Assistant and Fellow in Zoology, University of Chicago, 1910-13, 1915-17; Assistant Professor of Anatomy and Physiology, North Dakota, 1921-25; Associate Professor, North Dakota, 1925-26; Instructor in Anatomy, Wisconsin, 1926-.

HARVEY MCKINLEY SMITH, Research Assistant in Ophthalmology.

B.A., Ohio Wesleyan, 1920; M.S., Wisconsin, 1922; Ph.D., Wisconsin, 1924; Professor of Zoology, Wyoming, 1924-26; Research Assistant in Ophthalmology, 1926-.

KATE STALEY, Instructor in Physiology.

B.A., Wells, 1914; M.S., Wisconsin, 1925; Instructor in Physiology, Wisconsin, 1924-.

MARIAN E. STARK, Instructor in Clinical Chemistry.

A.B., Smith, 1917; Instructor in Clinical Chemistry, 1926-.

WARREN STRATMAN-THOMAS, Research Pharmacologist.

B.A., Wisconsin, 1924; M.A., Wisconsin, 1925; Student Assistant in Bacteriology, Wisconsin, 1923-24; Research Pharmacologist, 1924-.

NORBERT CARL TRAUBA, Instructor in Clinical Medicine.

B.A., Wisconsin, 1922; M.A., Wisconsin, 1923; M.D., Pennsylvania, 1925; Intern, Wisconsin General Hospital, 1925-26; Instructor in Clinical Medicine, 1926-; Assistant Physician, Student Health Department, 1926-.

LYMAN M. WEST, Instructor in Clinical Medicine.

M.D., Northwestern, 1925; Intern, St. Luke's Hospital, Chicago, 1925-26; Instructor in Clinical Medicine, 1926-; Assistant Physician, Student Health Service, 1926-.

FRANK LAWRENCE WESTON, Instructor in Clinical Medicine.

B.S., Wisconsin, 1921; M.D., Rush Medical College, 1923; Intern, Cook County Hospital, 1923-25; Instructor in Clinical Medicine, Wisconsin, 1925-; Assistant Physician, Student Health Service, 1925-.

JOHN ALLEN WILSON, Instructor in Physiology.

A.B., Ripon, 1922; M.A., Wisconsin, 1924; Instructor in Physiology, 1924-

CLINICAL STAFF

GEORGE VAN INGEN BROWN, Professor of Plastic Surgery.

D.D.S., Pennsylvania College Dental Surgery, Philadelphia, 1881; M.D., Milwaukee Medical College, 1895; M.D., Marquette, 1909; Dean of Dental Department, Milwaukee Medical College, 1898-1902; Special Lecturer on Oral surgery, University of Illinois, 1902-03; Iowa, 1903-04; University of Tennessee, 1904; Vanderbilt University, 1905; Professor Oral Surgery and Oral Pathology, State University of Iowa, 1904-10. Professor of Plastic Surgery, Wisconsin, 1925. In charge, Section of Plastic and Oral Surgery in the office of the Surgeon General during the World War. Organized School of Plastic and Oral Surgery at Fort Oglethorpe, Ga., by direction of Surgeon General 1918. In charge of Plastic and Oral Surgical reconstruction work for returned soldiers at U. S. General Hospital, No. 11, Cape May, New Jersey, and Walter Reed Hospital, Washington, D. C. President, Tri-State Medical Society, 1920-21; Member, American College of Surgeons. Professor of Plastic Surgery, 1925-; Plastic Surgeon, Wisconsin General Hospital, 1920-.

FREDERICK ALLISON DAVIS, Professor of Ophthalmology and Otolaryngology.

M.D., Pennsylvania, 1909; Intern, University of Pennsylvania Hospital, 1909-11; Resident, New York Eye and Ear Infirmary, 1911-14; Graduate Study, Vienna, 1914 and 1925; Harvard, 1921; Pennsylvania, 1922; Captain, Medical Reserve Corps, 1918; Member, Chicago Ophthalmological Society; Professor of Ophthalmology and Otolaryngology, Wisconsin, 1925-. Ophthalmologist and Otolaryngologist, Wisconsin General Hospital, 1920-.

OTTO HOTTINGER FOERSTER, Professor of Dermatology.

M.D., Pennsylvania, 1898; Intern, Howard Hospital, Philadelphia, 1899; Graduate work, University of Vienna, 1900-01; University of Pennsylvania, 1901-02; Polyclinic Hospital, Philadelphia, 1903-05; Berlin, Germany, 1913. Member American Dermatological Association and the American Roentgen-Ray Society. Professor of Dermatology, University of Wisconsin, 1925-; Dermatologist, Wisconsin General Hospital, 1920-.

FREDERICK JULIUS GAENSLER, Professor of Orthopedic Surgery.

B.Sc., Wisconsin, 1899; M.D., Johns Hopkins, 1903; Assistant Professor of Orthopedic Surgery, Marquette, 1917-18; Director and Associate Professor, Department of Orthopedic Surgery, Marquette, 1918-20; Orthopedic Surgeon and Chief-of-Staff, Milwaukee Children's Hospital. Member of American Orthopedic Association and American College of Surgeons. War Advisory Committee. Chairman, Section of Orthopedic Surgery, American Medical Association, 1925. Professor of Orthopedic Surgery, 1925-; Orthopedic Surgeon, Wisconsin General Hospital, 1920-.

RAY CARRINGTON BLANKINSHIP, Associate Professor of Clinical Medicine.

M.D., Medical College of Virginia, 1914; Intern, Kings County Hospital, 1914-15; Instructor in Clinical Medicine, 1919-21; Assistant Professor, 1922-25; Associate Professor, 1925-. Member of the American College of Physicians. Associate Physician, Wisconsin General Hospital, 1924-.

RICHARD LESLIE BOWER, Assistant Professor of Otolaryngology.

D.D.S., Northwestern, 1915; M.D., Northwestern, 1920; Intern, Michael Reese, 1919-20; Resident Cook County Hospital, 1920-21; 1923-24; Herman Knapp Memorial Hospital, New York, 1922-23; Graduate work, Harvard, 1925; Certificate of American Board of Otolaryngology; Junior Fellow of American College of Surgeons; Associate in Otolaryngology, 1925-26; Assistant Professor in Otolaryngology, 1926-; Associate Otolaryngologist, Wisconsin General Hospital, 1924-.

CARL SAMUEL HARPER, Assistant Professor of Obstetrics and Gynecology.

B.S., Wisconsin, 1914; M.D., Pennsylvania, 1916; Intern, Kings County Hospital, 1916-18; Associate in Obstetrics and Gynecology, 1925-26; Assistant Professor in Obstetrics and Gynecology, 1926-; Associate Obstetrician and Gynecologist, Wisconsin General Hospital, 1924-.

ROSCOE LYLE MCINTOSH, Assistant Professor of Dermatology.

B.S., Wisconsin, 1919; M.D., Washington University, 1921; Intern, Wisconsin General Hospital, 1921; Graduate student, Barnard Skin and Cancer Hospital, St. Louis, 1921-23; Diploma in Dermatology, London School of Dermatology, 1924; Associate in Dermatology, 1925-26, Assistant Professor of Dermatology, 1926-; Associate Dermatologist, Wisconsin General Hospital, 1924-.

EZRA EUGENE NEFF, Assistant Professor of Ophthalmology.

B.A., Emory and Henry, 1912; M.D., Virginia, 1916; Intern, University of Virginia Hospital, 1916-17, Captain, U. S. Army, 1917-18; Graduate Study, New York Eye and Ear Infirmary, 1919-21; Associate in Ophthalmology, 1925-26; Assistant Professor in Ophthalmology, 1926-; Associate Ophthalmologist, Wisconsin General Hospital, 1924-.

WELLWOOD MACK NESBIT, Assistant Professor of Laryngology.

M.D., Rush, 1917; Intern, Presbyterian Hospital, 1917-18; Barnes Hospital, St. Louis, 1918-19; 1st Lieutenant, United States Army, 1919-20; Nose and Throat Service, Washington University, 1920-23; Associate in Rhinology and Laryngology, 1925-26; Assistant Professor in Laryngology, 1926-; Associate Laryngologist, Wisconsin General Hospital, 1924-.

EDWIN FRANCIS SCHNEIDERS, Assistant Professor of Obstetrics and Gynecology.

B.S., Wisconsin, 1919; M.D., Harvard, 1921; Intern, Boston City Hospital, 1921-22; Instructor, Clinical Medicine, Wisconsin, 1922-23; Associate in Obstetrics and Gynecology, 1925-26; Assistant Professor in Obstetrics and Gynecology, 1926-; Associate Obstetrician and Gynecologist, Wisconsin General Hospital, 1924-.

HORACE KENT TENNEY, JR., Assistant Professor of Pediatrics.

M.D., Northwestern, 1919; Intern, Evanston Hospital, 1919-20; Post-Graduate work in Pediatrics, Michael Reese Hospital and Children's Memorial Hospital, Chicago; Instructor, Clinical Medicine, Wisconsin, 1920-25; Associate in Pediatrics, 1925-26; Assistant Professor in Pediatrics, 1926-; Associate Pediatrician, Wisconsin General Hospital, 1925-.

IRA ROSCOE SISK, Assistant Professor of Urology.

M.D., Vanderbilt, 1916; Intern, Madison General Hospital, 1916-18; Fellow in Urology, Mayo Clinic, 1919-21; Member of American Urological Association; Associate in Urology, 1925-26; Assistant Professor in Urology, 1926-; Associate Urologist, Wisconsin General Hospital, 1924-26; Urologist, 1926-.

LOUIS FAUERBACH, Instructor in Clinical Pathology.

B.S., Wisconsin, 1918; M.D., University and Bellevue Hospital Medical College, 1920; Intern, Bellevue Hospital, 1918-19; St. Mary's Hospital, 1920-21; Physician, St. Mary's Hospital; President Dane County Medical Society; Instructor, 1925-.

VOLNEY BUTMAN HYSLOP, Instructor in Ophthalmology.

M.D., Washington, 1922; Intern, St. Mary's Hospital, Madison, 1923-24; Resident in Ophthalmology and Otolaryngology, State of Wisconsin General Hospital, 1924-26; Instructor in Ophthalmology, 1925-.

OLIVER OTTO NELSON, Instructor in Clinical Medicine.

A.B., Wisconsin, 1907; M.D., Rush, 1913; Intern, Deaconess Hospital, Chicago, 1913-14; Post Graduate School, Chicago, 1923; Instructor in Bacteriology, Wisconsin, 1907-11; Instructor, Clinical Pathology, 1925-.

LINDLEY VINCENT SPRAGUE, Instructor in Clinical Medicine.

M.D., Detroit College of Medicine and Surgery, 1923; Intern, City of Detroit Receiving Hospital, 1922-23; Chief Resident in Medicine, City of Detroit Receiving Hospital, 1923-24; Assistant Physician, Student Health Service, 1925-26; Instructor in Clinical Medicine, 1925-.

ASSOCIATE CLINICAL STAFF

ALEXANDER M. CARR, Lecturer in Hygiene.

M.D., Pennsylvania, 1918; Health Officer, City of Madison, 1924-. Lecturer on Hygiene, 1925-.

CARL HENRY DAVIS, Consultant in Obstetrics.

B.A., Oregon, 1905; B.Sc., Chicago, 1906; M.D., Rush, 1909; Lecturer on Obstetrics and Gynecology, Extension Division, University of Wisconsin; Obstetrician and Gynecologist, Columbia and Milwaukee County Hospitals. Major, M.O.T.C.; Member of the American Gynecological Society and of the American College of Surgeons. Secretary, Section on Obstetrics, Gynecology and Abdominal Surgery, American Medical Association. Consultant in Obstetrics, 1924-.

JOSEPH DEAN, Clinical Professor of Surgery.

M.D., Illinois, 1902; Intern, Cook County Hospital, 1902-04. Member of the American College of Surgeons, Member of the Wisconsin State Board of Health; Lecturer on Surgery, 1915-25; Clinical Professor of Surgery, 1925-. Surgeon, St. Mary's Hospital.

HUGH PAYNE GREELEY, Clinical Professor of Medicine.

A.B., Harvard, 1906; M.D., Harvard, 1909; Intern, Massachusetts General Hospital, 1909-10; Bellevue Hospital, 1910; Special Study, Vienna, 1913; Physician to Outpatients, Massachusetts General Hospital, 1914-15; Staff Physician, Madison General Hospital and St. Mary's Hospital, Madison; Lecturer, Wisconsin, 1917-25; Clinical Professor of Medicine, 1925-; Associate Physician, Wisconsin General Hospital, 1924-.

CORNELIUS A. HARPER, Lecturer in Hygiene.

B.S., Wisconsin, 1889; M.D., George Washington University Medical School, 1893; Secretary, State Board of Health; Lecturer on Hygiene, 1925-.

REGINALD HENRY JACKSON, Clinical Professor of Surgery.

M.D., Columbia University, 1899; Presbyterian Hospital, 1899-1901; Member of Western Surgical Association and of the American College of Surgeons; Lecturer on Surgery, 1915-25; Clinical Professor of Surgery, 1925-. Surgeon and Chief of Staff, Madison Methodist Hospital.

KASSOWITZ, KARL, Lecturer in Pediatrics.

M.D., University of Vienna; Assistant, University Children's Clinic, Vienna, 1912-22; Medical Director, Muidale Sanatorium, Wauwatosa. Lecturer in Pediatrics 1926-.

THOMAS WILLIAM TORMEY, Clinical Professor of Surgery.

B.S., Wisconsin 1899; M.D., Rush, 1902; Intern, St. Luke's Hospital, Chicago, 1902-04; Member of American College of Surgeons; Lecturer in Surgery, 1915-25; Clinical Professor of Surgery, 1925-. Surgeon, Madison General Hospital.

GEORGE HIRAM ROBBINS, Assistant Clinical Professor of Medicine.

B.S., Wisconsin, 1913; M.D., Rush, 1915; Intern, Cook County Hospital, 1915-17; Instructor Clinical Medicine, Wisconsin, 1917-19; Assistant Professor, 1919-22; Lecturer 1922-25; Assistant Clinical Professor 1925-; Physician, St. Mary's Hospital, Madison.

JAMES P. DEAN, Clinical Associate in Surgery.

B.S., Wisconsin, 1911; M.D., University of Pennsylvania, 1913; Intern, St. Mary's Hospital, Madison, Wis., 6 Mos.; New York City Hospital, 1913-15; Clinical Associate, 1921-; Captain, Field Hospital, 127; Member of American College of Surgeons. Surgeon, St. Mary's Hospital, Madison.

DAMON ALONZO BROWN, Clinical Associate in Medicine.

B.S., Wisconsin, 1913; M.D., Washington University, 1915; Intern, St. Luke's Hospital, St. Louis, 1915-16; Student, Externe Mulanthy Hospital, St. Louis; Instructor Clinical Medicine, 1922-25; Clinical Associate in Medicine, 1925-; Urologist, Methodist Hospital.

HOMER MCCLELLAND CARTER, Clinical Associate in Pediatrics.

B.A., Beloit College, 1909; M.A., Wisconsin, 1913; M.D., Rush, 1915; Intern, Children's Memorial Hospital, Chicago, 1915; Adult Internship, Cincinnati General Hospital, 1916; Pediatrician, Wisconsin General Hospital. 32nd Division, 21 months, Captain, Field Hospital. Member Central States Pediatric Society; Clinical Associate in Medicine, 1921-25; Clinical Associate in Pediatrics, 1925; Pediatrician, St. Mary's Hospital, Madison; Obstetrician, Madison General Hospital and St. Mary's Hospital.

WILLIAM JOHN FOCHE, Instructor in Clinical Medicine.

B.S., Wisconsin, 1919; M.D., Illinois, 1922; Instructor in Clinical Medicine, 1925-.

FRED JENNER HODGES, Clinical Associate in Radiology.

B.S., Wisconsin, 1917; M.D., Washington, 1919; Resident Pathologist, Barnes City Hospital, 1919-20; Instructor in Psychiatry, Wisconsin, January to July, 1921; Instructor in Physiology, 1921-24; Roentgenologist, Wisconsin Memorial Hospital, 1924-; Roentgenologist, St. Mary's Hospital, 1921-; Clinical Instructor in Radiology, Wisconsin, 1925-26; Clinical Associate in Radiology, 1926-. Radiologist, Wisconsin General Hospital, 1926-.

JAMES ALBERT JACKSON, Clinical Associate in Surgery.

M.D., Columbia, 1910; Intern, Bellevue Hospital, 1910-11; Clinical Associate, 1921-; Surgeon, Madison Methodist Hospital.

HARRY MAXWELL KAY, Clinical Associate in Medicine.

M.D., Chicago College of Medicine and Surgery, 1908; Intern, Augustana Hospital, Chicago, 1908; Madison General, 1909; Physician, Madison General Hospital. Captain, Medical and Surgical Service, U. S. Army, 1917-18; Major Medical Reserve Corps; Clinical Associate, 1922-; Obstetrician, Madison General Hospital.

ARTHUR G. SULLIVAN, Clinical Associate in Surgery.

M.D., Columbia, 1909; Clinical Associate, 1925-; Surgeon, Madison General Hospital.

ALBERT ROBERT TORMEY, Clinical Associate in Surgery.

B.A., Wisconsin, 1914; M.D., Washington University, 1917; Intern, Barnes Hospital, 1917-18; Lieutenant, United States Army Medical Corps, 1918-19; Intern, Augustana Hospital, 1919-20; Clinical Associate, 1921-; Surgeon, Madison General Hospital.

EUGENE SHAW SULLIVAN, Clinical Instructor in Surgery.

M.D., Columbia, 1918; Intern, St. Luke's Hospital, New York City, 1918-20; Kings County Hospital, Brooklyn, 1918; Clinical Instructor in Surgery, 1925-; Surgeon, Madison General Hospital.

JOE NEWTON SISK, Clinical Associate in Radiology.

B.Sc., Texas Christian University, 1921; M.D., Baylor University College of Medicine, 1921; Intern, Knights Templar Hospital, Arlington, Texas, 1920-21; Member of the Radiological Society of North America; Radiologist, St. Joseph's Infirmary, Fort Worth, 1921-22; Instructor in Roentgenology, 1925-. Radiologist, Methodist Hospital.

CLINICAL ASSISTANTS

THEODORE WHITNEY KLEIN, Clinical Assistant in Ophthalmology.

M.D., Marquette, 1923; Intern, Madison General Hospital, 1922-23; Clinical Assistant in Ophthalmology, 1925-.

ASSISTANTS

HERBERT P. BENN, Student Assistant in Physiology.

MARSHALL BOUDRY, Student Assistant in Anatomy.

MRS. ALICE SCHIEDT CLARK, Assistant in Bacteriology.

EDWIN KEHR, Student Assistant in Pharmacology.

EUGENE LANGE, Student Assistant in Anatomy.

FRANCES HELLEBRANDT, Student Assistant in Anatomy.

SAM HENKE, Student Assistant in Anatomy.

HARRY VANDER KAMP, Research Assistant in Anatomy.

EDWIN PRIEN, Student Assistant in Physiology.

OTIS N. WILSON, Student Assistant in Bacteriology.

THE EXECUTIVE COMMITTEE OF MEDICAL SCHOOL

C. R. BARDEEN, M.D., Chairman.

R. C. BUERKI, M.D.

A. S. LOEVENHART, M.D.

C. H. BUNTING, M.D.

W. F. LORENZ, M.D.

J. S. EVANS, M.D.

W. J. MEEK, Ph.D.

E. R. SCHMIDT, M.D.

W. D. STOVALL, M.D.

WISCONSIN GENERAL HOSPITAL

EXECUTIVE COMMITTEE

| | |
|------------------------------------|---------------------|
| C. R. BARDEEN, M.D. | J. D. PHILLIPS |
| J. S. EVANS, M.D. | E. R. SCHMIDT, M.D. |
| and | |
| R. C. BUECKI, M.D., Superintendent | |

MEDICAL STAFF

General Medicine

J. S. EVANS, Physician.
 R. VAN VALZAH, Associate Physician.
 W. S. MIDDLETON, Associate Physician.
 R. C. BLANKINSHIP, Associate Physician.
 J. A. E. EYSTER, Associate Physician.
 H. P. GREELEY, Associate Physician.
 K. L. PUESTOW, Assistant Physician.
 E. D. MCKINLEY, Resident Physician.

General Surgery

E. R. SCHMIDT, Surgeon.
 A. OCHSNER, Assistant Surgeon.
 H. FOGO, Resident Surgeon.
 S. K. BIEGLER, Assistant Resident Physician

Dermatology

O. H. FOERSTER, Dermatologist.
 R. L. MCINTOSH, Associate Dermatologist.

Neuro-Psychiatry

W. F. LORENZ, Neuro-Psychiatrist.
 W. J. BLECKWENN, Associate Neuro-Psychiatrist.
 HANS REESE, Associate Neurologist.

Ophthalmology and Otolaryngology

F. A. DAVIS, Ophthalmologist and Otolaryngologist.
 R. L. BOWER, Associate Otolaryngologist.
 E. E. NEFF, Associate Ophthalmologist.
 W. M. NESBIT, Associate Laryngologist.
 V. B. HYSLOP, Clinical Assistant.
 T. W. KLEIN, Clinical Assistant.
 M. J. BACH, Resident Physician.

Orthopedic and Plastic Surgery

F. J. GAENSLEN, Orthopedic Surgeon.
G. V. I. BROWN, Plastic Surgeon.
ROBERT BURNS, Assistant Orthopedic Surgeon.

Obstetrics and Gynecology

C. S. HARPER, Associate Obstetrician and Gynecologist.
E. F. SCHNEIDERS, Associate Obstetrician and Gynecologist.
C. H. DAVIS, Consultant in Obstetrics and Gynecology.

Pediatrics

J. E. GONCE, Associate Pediatrician.
H. K. TENNEY, Associate Pediatrician.
K. KASSOWITZ, Lecturer.

Urology

IRA SISK, Urologist.

Physio-Therapy

J. C. ELSOM, Physiotherapist.

LABORATORIES

Pathology and Bacteriology

C. H. BUNTING, Pathologist.
E. M. MEDLAR, Associate Pathologist.
P. F. CLARK, Bacteriologist.

Clinical Pathology

W. D. STOVALL, Clinical Pathologist.
G. J. KASTLIN, Associate Clinical Pathologist.

Clinical Chemistry

ELMER SEVRINGHAUS, Chemist.
MARIAN E. STARK, Instructor.

Pharmacology

A. S. LOEVENHART, Pharmacologist.
C. D. LEAKE, Associate Pharmacologist.

STUDENT HEALTH SERVICE

WM. A. MOWRY, Physician-in-Chief.
S. I. MORRIS, Associate Physician.
IRMA BACKE, Assistant Physician.
IVAN ELLIS, Assistant Physician.
L. M. WEST, Assistant Physician.
F. L. WESTON, Assistant Physician.
N. C. TRAUBA, Assistant Physician.
D. B. MACCALLUM, Assistant Physician.

NURSING STAFF

HELEN I. DENNE, B.A., R.N., Superintendent of Nurses, Director School of Nursing.
LILA B. FLETCHER, R.N., Assistant Superintendent and Assistant Director.
CHRISTINA MURRAY, B.A., R.N., Instructress.
EVANGELINE ISAACSON, R.N., Surgical Nurse and Instructress.

OTHER OFFICERS

E. KUENZI, Pharmacist.
A. LINDBERG, Technician in Radiology.
VIOLA MAAG, B.S., Dietitian.
MARGARET TOEPFER, B.S., Associate Dietitian.
MARION GATES, B.S., Associate Dietitian.
LEO SCHMELZER, Accountant.
ANNE FITZGERALD, Anaesthetist.

MEDICAL EXTENSION DIVISION

EXECUTIVE COMMITTEE

CHESTER D. SNELL, Acting Dean University Extension Division.
CHARLES R. BARDEEN, Dean of the Medical School.
JOSEPH S. EVANS, Professor of Medicine.

STATE LABORATORY OF HYGIENE

Committee in Charge

C. A. HARPER, M.D., State Health Officer.
W. F. WHYTE, M.D., President of the State Board of Health.
GLENN FRANK, LL.D., President of the University.
C. R. BARDEEN, M.D., Dean of the Medical School.

Laboratory Staff

W. D. STOVALL, M.D., Director.
E. J. TULLY, State Sanitary Engineer.
M. S. NICHOLS, Chemist.

EMERALD SCHEID, Assistant Bacteriologist.
LOUISE RICKEMAN, Assistant Bacteriologist.
VERA VINCENT, Assistant Chemist.
ALMA GEIDEL, Secretary.

STATE PSYCHIATRIC INSTITUTE

Committee of Supervision

COL. JOHN J. HANNAN, President of Board of Control.
MRS. MARGARET HUTTON ABELS, Vice-President of Board of Control.
GRANT C. HAAS, Member Board of Control.
GLENN FRANK, LL.D., President of the University.
C. R. BARDEEN, M.D., Dean of the Medical School.
W. F. LORENZ, M.D., Director.

Laboratory Staff

W. F. LORENZ, M.D., Director.
W. J. BLECKWENN, Assistant Director.
HANS REESE, M.D., Associate in Neuro-Psychiatry.
H. V. GIBSON, M.D., Associate Clinician.
P. H. CARROLL, Chief Technician.
E. M. PIKE, Secretary.

STATE TOXICOLOGIST

C. W. MUEHLBERGER, Ph.D., State Toxicologist.
H. H. SCHRENK, Assistant Toxicologist.

GENERAL STATEMENT

ESTABLISHMENT OF THE MEDICAL SCHOOL

The Medical School was established by act of the Legislature in 1907. Merely the first two years of the medical curriculum were then organized because there were not at that time sufficient clinical resources in Madison for a complete medical course. At a special session of the Legislature in 1920 an act was passed authorizing the establishment at the University, of the Wisconsin General Hospital as a memorial to those who served in the World War and for the care of patients, teaching, and research. The new hospital building was opened for care of patients in October, 1924. This hospital has made possible the organization of a complete medical course at the University leading to an M.D. degree. The third year of the medical course was begun in 1925-26, the fourth in 1926-27.

AIMS AND METHODS

The aims of the Medical School are:

1. To encourage a thorough preliminary medical education, and to offer adequate facilities for a good preparation for clinical work.

2. To promote the development of preventive medicine and hygiene.
3. To stimulate research in the sciences upon which modern medicine is based.

Scientific medicine consists of the application of scientific knowledge and methods, not only to the cure or alleviation, but also to the prevention of disease. It requires a thorough mastery of the fundamental principles of physics, chemistry, and biology, as well as of the more specialized sciences of human anatomy, physiology, pathology, bacteriology, pharmacology, and toxicology. The progress of medicine and hygiene is largely dependent upon progress in these sciences. First-hand knowledge of them, acquired in laboratories under the direction of specialists is essential for those who desire to treat disease and alleviate human suffering to the best advantage. With this knowledge and training the student can enter intelligently upon the study of the complex problems presented by the sick in dispensaries and hospital wards offering clinical training, and later in private practice. The methods employed in the various laboratories of the Medical School are designed to train the powers of quick observation, of accurate judgment, and of skillful execution, as well as to supply such knowledge of fundamental scientific facts and principles as is most necessary for clinical medicine.

The work in the preclinical sciences is under the direction of specialists who devote their whole time to teaching and investigation, and who are keenly interested in medical problems and progress. In each of the departments certain courses are required of all medical students; others are elective. The required courses are designed to insure a broad basis for clinical medicine. The elective courses aid the students to gain depth of insight and special skill in some one branch, and thus become thorough as well as broad. The elective courses also offer excellent opportunities to graduates who wish to specialize in some one of the medical sciences and to physicians desiring to follow the progress of these sciences, to prepare for public health work, or to undertake research.

The clinical part of the medical course is designed to offer practical training in the application of scientific knowledge to the prevention, cure and alleviation of disease. The third year of the medical course is devoted to a consideration of the broader aspects of clinical medicine and of the major medical specialties and to practical work in care of patients in the wards and outpatient departments of the Wisconsin General Hospital. This work is under the general direction of specialists who devote their whole service to care of patients, teaching, and research in the hospital. The teaching is supplemented by that of part-time men in some of the major specialties. Opportunity is offered for advanced work in the medical sciences as well as for training in routine procedures.

The fourth year of the medical course is designed to offer the students individual training in the art of medicine. Each student is assigned as an apprentice to a series of preceptors in medicine, surgery, and the major specialties. The preceptors are selected on the basis of ability, experience, desire to teach, and clinical facilities available.

GRADUATE AND POST-GRADUATE INSTRUCTION

Graduate work may be defined as advanced work in a major department leading to the degree of Master of Science or of Doctor of Philosophy in that

department. Graduate work of this character is offered in each of the departments of the Medical School. This work is carried out under the auspices of the Graduate School of the University. The regulations relating to work for the higher degrees are published in the Bulletin of the Graduate School. Questions relating to such degrees should be addressed to the Dean of the Graduate School.

Post-graduate work may be defined as study carried on after graduation with a view to increase one's knowledge or skill but without aiming at that special mastery in a given field of knowledge which would entitle one to a higher degree. Post-graduate courses offered by the University are of two kinds, intra-mural and extra-mural.

Intra-mural post-graduate clinical courses are those offered by the Medical School at the Wisconsin General Hospital. A course of this character in the use of insulin was offered in 1923-24. It is the intention of the Medical School to offer similar courses from time to time as may be called for.

Extra-mural post-graduate courses are designed to provide physicians residing in a given locality with practical demonstrations of the newer methods of diagnosing and treating disease. Clinics are held at a hospital conveniently located, illustrated lectures are given and opportunity is offered for consultation with specialists. Arrangements for these clinics and lectures may be made by co-operation between the local physicians under whose auspices the clinics and lectures are held, and the Extension Division of the University.

Other aids for post-graduate study furnished members of the medical profession in Wisconsin by the University include:

1. The loaning of books from the medical section of the University Library. So far as practicable books from the University Library should be borrowed through local libraries, but when this is impracticable such books may be borrowed directly by paying cost of transportation. The chief new medical books are reviewed in the Wisconsin Medical Journal and are then placed in the University Library whence they can be borrowed by members of the medical profession.

2. Packet libraries. The Extension Division of the University receives reprints from several of the leading medical journals. These reprints are bound up in packet volumes relating to various subjects of special interest and are available to physicians, who should address requests for pamphlets on a given subject directly to the Extension Division at Madison.

3. Models, charts, photographs, lantern slides, and moving picture films, relating to medicine and hygiene are kept in considerable numbers by the Extension Division and are available to physicians preparing papers for presentation before medical societies or for popular education in medicine and hygiene.

4. The State Laboratory of Hygiene (the laboratory of the State Board of Health) and the State Psychiatric Institute (the laboratory of the State Board of Control) are located at the University and are closely affiliated with the Medical School. These institutions not only furnish direct laboratory aid to physicians but also do much to furnish practical post-graduate instruction.

SCIENTIFIC INVESTIGATION

It is desired that the facilities of the various laboratories of the Medical School be utilized to the greatest advantage in the investigation of the causes

and prevention of disease both in man and animals. The laboratories of the Medical School are freely open to those engaged in such investigations and, so far as possible, aid will be given in carrying out investigations of this character either at the University or elsewhere in the state.

LABORATORY AND HOSPITAL FACILITIES

The teaching of the basal medical sciences, gross anatomy, histology, embryology, neurology, physiology, physiological chemistry, pharmacology, bacteriology, pathology, and hygiene is at present conducted in Science Hall, a large building erected in 1887 and now shared by the basal science departments of the Medical School and the department of Geology and Geography. The equipment of the laboratories is exceptionally good.

At the 1925 session of the legislature authority was granted for the use of a surplus in the Rehabilitation Fund for the erection and equipment of Service Memorial Institutes for teaching and research in the medical sciences. Plans are now being drawn for these institutes to be erected near the Wisconsin General Hospital.

The major portion of the fundamental teaching of the clinical branches is conducted in the Wisconsin General Hospital. This hospital, recently completed and occupied, has a capacity of over 300 beds, with ample facilities for medicine, surgery, and the major specialties. Affiliated with it under university control are the Student Infirmary, with a capacity of 80 beds, and the Bradley Memorial Hospital, with a capacity of 40 beds, to be used at present for early neuropsychiatric patients and for the Wisconsin Psychiatric Institute.

The Madison General Hospital, with a capacity of 125 beds, St. Mary's Hospital, with a capacity of 150 beds, and the Methodist Hospital, with a present capacity of 40 beds but soon to erect a 100 bed addition, the City Isolation Hospital, with a capacity of 50 beds, and other nearby hospitals, offer abundant opportunity for supplemented clinical teaching by associate members of the clinical staff. Under the preceptor system proposed for the fourth year of the medical course it will, however, not be necessary to confine the clinical teaching to Madison. Some of it may be conducted in other medical centers.

ADMISSION REQUIREMENTS IN THE MEDICAL SCHOOL

For matriculation in the Medical School a student must furnish evidence:

1. That he has satisfied the requirements for admission to the College of Letters and Science.

The requirements for admission to the College of Letters and Science are to be found in the university catalog. They are met by a four-year high-school course which embraces certain groups of studies, including English, mathematics, and foreign language.

2. That he has completed at least the equivalent of two years' work, including the required freshman English, in college.

Two years of work in the College of Letters and Science may be interpreted as meaning the completion of 60 credits of prescribed college work.

3. That he has successfully pursued laboratory courses of college grade in physics, general and organic chemistry, biology and vertebrate embryology.

The requirements in physics, chemistry, and biology must be satisfied before a student matriculates in the Medical School. Provision is made for studying embryology (Anatomy 115) during the first year of the medical course, but the student is expected to take this study before matriculating.

In addition, students are advised to take a course in quantitative analysis (Chemistry 11a) and in comparative anatomy before beginning the medical work. Attention is called to the opportunities for work in science during the summer session.

4. That he has studied elementary Latin.

The requirement in Latin is ordinarily met by two years of high-school or by one year of college Latin. It is preferable to meet the requirement by high-school work.

5. That he has a reading knowledge of French or German.

This may be secured either by the completion of the fourth semester of French or German at the University of Wisconsin with a grade of 80 or above or by a certificate of reading knowledge of one of these languages from the appropriate department at the University of Wisconsin.

ADMISSION FROM OTHER INSTITUTIONS

FIRST YEAR CLASS: Students who have taken their premedical work at other institutions and who satisfy the entrance requirements may be admitted to this class.

A student wishing to apply for admission to this class should fill out an application blank and return it together with an official copy of his premedical credentials to the Dean of the Medical School not later than June 1 of the year in which he wishes to matriculate.

All students entering from other institutions are required to pass a reading knowledge examination in either German or French given by the German Department or the Department of Romance Languages of the University of Wisconsin at the time of matriculation.

SECOND YEAR CLASS: There is seldom a vacancy in this class and students from other institutions are not encouraged to apply for admission.

THIRD AND FOURTH YEAR CLASSES: At the present time no applications to these classes are accepted.

CHOICE OF PREMEDICAL COURSES

The student who enters the College of Letters and Science with the intention of studying medicine should arrange at the office of the Assistant Dean a schedule of study which will enable him to complete the required premedical college work within the period which he desires to devote to preparation for the medical course.

The following language studies are required:

English 1a, 1b.

Two years of foreign language.

Students who have not studied Latin in high school are required to take a year's work in elementary Latin.

The following science studies are required:*

| | Semester | Lectures | Laboratory | Credits |
|----------------------------|----------|-------------|------------|---------|
| | | Recitations | Hours | |
| Chemistry 1..... | Yr | 128 | 192 | 10 |
| Organic Chemistry 120..... | I | 48 | 96 | 4-6 |
| Physics 1..... | Yr | 128 | 128 | 10 |
| Biology 1..... | Yr | 128 | 192 | 10 |
| Embryology 115..... | II | 16 | 48 | 2 |
| | | 448 | 608 | 36-38 |

The minimum time required for the completion of this premedical work is two years. If three or four years are spent on premedical college work, the student has the choice of either broadening his course of study or of taking more advanced work in some special line. All good American medical schools now require at least two years of premedical college work. Many require at least three years of college work and a few require a bachelor's degree for entrance. If a student expects to take his medical course elsewhere or to complete the clinical part of his medical course elsewhere he should keep this in mind when arranging the premedical schedule. Thus, a student who expects to finish in a medical school which requires three years of college work for entrance should arrange for a three-year premedical college course. He should likewise acquaint himself with the special premedical requirements maintained by the school of his choice.

*It is recognized that similar courses at other institutions may not correspond exactly to the scientific courses given at Wisconsin. This will not prevent full credit being granted for approximately equivalent courses pursued elsewhere or during the summer session at Wisconsin.

SUGGESTED PROGRAM FOR TWO YEAR PREMEDICAL COURSE

LEADING EVENTUALLY TO THE DEGREE OF BACHELOR OF SCIENCE, MEDICAL SCIENCE COURSE

FRESHMAN YEAR

| First Semester | Credits | Second Semester | Credits |
|---|---------|---|---------|
| Engl. 1a—Freshman English..... | 3 | Engl. 1b—Freshman English..... | 3 |
| Chem. 1a—General chemistry..... | 5 | Chem. 1b—Qualitative analysis..... | 5 |
| Physics 1 or 31—General physics..... | 5 | Physics 1 or 31—General physics..... | 5 |
| French 1a or German 1a..... | 4 | French 1b or German 1b..... | 4 |
| Physical education or military science..... | 0 | Physical education or military science..... | 0 |
| | 17 | | 17 |

SOPHOMORE YEAR

| | | | |
|---|-------|--|-------|
| Chem. 20 or 120—Organic chemistry.... | 4-5 | Anat. 115—Embryology..... | 2 |
| Zoology 1a—General zoology..... | 5 | Zoology 1b—Animal biology..... | 5 |
| French 10a or German 2a..... | 3-4 | French 10b or German 2b..... | 3-4 |
| Latin 1—Elementary Latin..... | 5 | Latin 2—Caesar I and II..... | 5 |
| Elective if Latin was taken in high school(3-4) | | Elective if Latin was taken in high school (3-4) | |
| Physical education or military science.... | 0 | Physical education or military science.... | 0 |
| | 17-18 | | 17-18 |

SUGGESTED PROGRAM FOR THREE YEAR PREMEDICAL COURSE

LEADING EVENTUALLY TO THE DEGREE OF BACHELOR OF ARTS

| FRESHMAN YEAR | | | |
|--|---------|--|---------|
| First semester | Credits | Second semester | Credits |
| Engl. 1a—Freshman English..... | 3 | Engl. 1b—Freshman English..... | 3 |
| Chem. 1a—General chemistry..... | 5 | Chem. 1b—Qualitative analysis..... | 5 |
| French 1a or German 1a..... | 4 | French 1a or German 1a..... | 4 |
| History or mathematics..... | 3-4 | History or mathematics..... | 3-4 |
| Physical education or military science.. | 0 | Physical education or military science.. | 0 |
| | 15-16 | | 15-16 |

| SOPHOMORE YEAR | | | |
|--|-------|--|-------|
| Engl. 30a or 33a—Sophomore literature | 3-2 | Engl. 30b or 33b—Sophomore literature.. | 3-2 |
| Chem. 20 or 120—Organic chemistry... | 4-5 | Zoology 1b—Animal biology..... | 5 |
| Zoology 1a—General zoology..... | 5 | French 10b or German 2b..... | 3-4 |
| French 10a or German 2a..... | 3-4 | Elective..... | 5 |
| Physical education or military science.. | 0 | Physical education or military science.. | 0 |
| | 15-16 | | 15-16 |

| JUNIOR YEAR | | | |
|---|------|---|-----|
| Physics 1 or 31..... | 5 | Anat. 115—Embryology..... | 2 |
| Foreign Language..... | 4-5 | Physics 1 or 31..... | 5 |
| Latin 1—Elementary Latin..... | 5 | Latin 2—Caesar I and II..... | 5 |
| Electives if foreign language and Latin were pursued in high school.... | (10) | Foreign language..... | 4-5 |
| | | Electives if foreign language and Latin were pursued in high school.... | (8) |
| | 15 | | 15 |

DEGREES

The Medical School grants the degree of Doctor of Medicine to students who complete the requirements of the four-year course leading to this degree.

The College of Letters and Science grants the degree of Bachelor of Science (Medical Science Course) to students who complete two years of prescribed pre-medical work and the first two years of the medical course, and the degree of Bachelor of Arts to students who complete the requirements for this degree and at the same time elect work in the Medical School.

The graduate school offers the degrees of Master of Arts, Master of Science, Master of Public Health, Doctor of Philosophy, and Doctor of Public Health to students who complete the requirements for these degrees in the medical sciences.

DOCTOR OF MEDICINE

The following course of study is required for the degree of Doctor of Medicine (M.D.).

FIRST YEAR MEDICAL COURSE

| | Course | | Lectures | Laboratory | |
|---------------------------------------|--------|----------|-------------|------------|---------|
| | No. | Semester | Recitations | Hours | Credits |
| Histology.....Anat. | 110 | I | 32 | 112 | 4 |
| Neural Anatomy.....Anat. | 126 | II | 32 | 112 | 4 |
| Gross Anatomy.....Anat. | 121 | yr | 32 | 336 | 12 |
| Physiology.....Phy. | 105 | II | 64 | 96 | 7 |
| Physiological Chemistry.....Phy. Chem | 104 | I | 20 | 124 | 4 |
| | | | 180 | 780 | 31 |

SECOND YEAR MEDICAL COURSE

| | Course | | Lectures | Laboratory | |
|--|--------|---------------------|-------------|------------|---------|
| | No. | Semester | Recitations | Hours | Credits |
| Pathology.....Path | 101 | I, $\frac{1}{2}$ II | 64 | 192 | 7 |
| Physiology.....Phy. | 106 | I | 32 | | 2 |
| Public Health.....Hyg. | 101 | I | 16 | 32 | 2 |
| Bacteriology.....Bact. | 102 | I | 48 | 96 | 4 |
| Pharmacology.....Pharm. | 104-5 | II | 64 | 48 | 4 |
| Physical diagnosis.....Med. | 110 | I | 32 | 64 | 3 |
| Clinical Laboratory Diagnosis.....Med. | 102 | $\frac{3}{2}$ II | 30 | 90 | 3 |
| Medical diagnosis.....Med. | 111 | II | 16 | 32 | 2 |
| Surgical Clinics.....Surg. | 102 | II | | 64 | 1 |
| Surgery Elements.....Surg. | 103 | II | 16 | | 1 |
| | | | 318 | 618 | 29 |

Required of candidates for a bachelor's degree: Thesis, 128 laboratory hours (4 cr.)

THIRD YEAR MEDICAL COURSE

| | Course | Semester | Lectures | Laboratory | |
|--------------------------------|-----------|----------|-------------|------------|---------------|
| | No. | | Recitations | Hours | Credits |
| Medicine.....Med. 301 | | | | | |
| a) Principles..... | | yr | 64 | | 3 |
| b) Conferences..... | | yr | 32 | | 2 |
| c) Ward work..... | | yr | | 200 | 5 |
| d) Clinics..... | | yr | | 48 | 1 |
| e) Clin. Path. Conf..... | Path. 301 | yr | | 16 | 1 |
| Therapeutics..... | Med. 305 | I | 16 | | 1 |
| Surgery.....Surg. 301 | | | | | |
| a) Principles..... | | yr | 64 | | 3 |
| b) Conferences..... | | yr | 32 | | 2 |
| c) Ward work..... | | yr | | 120 | 3 |
| d) Clinics..... | | yr | | 48 | 1 |
| e) Clin. Path. Conf..... | Path. 301 | yr | | 16 | 1 |
| Obstetrics and Gynecology..... | Surg. 330 | II | 32 | 32 | 3 |
| Specialties: | | | | | |
| Pediatrics..... | Med. 310 | I | 32 | | 1 |
| Dermatology..... | Med. 315 | I | 16 | | 1 |
| Physio-Therapy..... | Surg. 316 | I | 16 | | 1 |
| Radiology..... | Surg. 320 | II | 16 | | 1 |
| Urology..... | Surg. 325 | II | 16 | | 1 |
| Neuro-Psychiatry..... | Med. 312 | II | 32 | | 2 |
| Ophthalmology and | | | | | |
| Otolaryngology..... | Surg. 310 | I | 32 | | 2 |
| Orthopedies..... | Surg. 315 | II | 16 | | $\frac{1}{2}$ |
| Plastic Surgery..... | Surg. 314 | II | 16 | | $\frac{1}{2}$ |
| | | | 464 | 448 | 36 |

FOURTH YEAR MEDICAL COURSE

Instruction during the fourth year of the medical course is based on the preceptor system and requires at least 48 weeks for completion.

Each student is assigned for given periods to a series of preceptors in medicine, surgery, obstetrics, public health, and the chief medical specialties. During a given period a student is assigned to preceptors in not more than two fields of medicine. Not more than three students are to be assigned to a preceptor for a given period. During this period the student works under the personal supervision of his preceptor and of such assistant or associate preceptors as his preceptor may select. Under this supervision he is expected to aid, as directed, in history taking, making physical examinations, performing laboratory work, looking up literature on special cases, in administering treatment, and in such other ways as may be of benefit. During this period he will be assigned reading covering the broader aspects of the field in which he is working. At the end of the period he is given an examination in this field of work and is asked to write a brief account of the service and of what he has gained from it.

The work of the year is partly specifically required, partly elective.

The work specifically required is as follows:

Medical Quarter: Twelve weeks in internal medicine and the medical specialties: pediatrics, neuro-psychiatry, and dermatology. This quarter, with the exception of an elective three weeks in dermatology and pediatrics, is to be taken at the Wisconsin General Hospital under preceptors selected from the staff of this hospital. Students who so elect may take three of the twelve weeks in Milwaukee under the supervision of approved preceptors in dermatology and pediatrics, otherwise this latter work is also to be taken at the Wisconsin General Hospital. The work of the quarter is arranged as follows:

| | |
|------------------------|--|
| Medicine | Med. 401, one-half time, 9 weeks, 4½ cr. |
| Neuro-psychiatry | Med. 412, one-half time, 6 weeks, 3 cr. |
| Pediatrics | Med. 410, one-half time, 6 weeks, 3 cr. |
| Dermatology | Med. 415, one-half time, 3 weeks, 1½ cr. |

Total.....12 cr.

But two subjects are to be carried at one time.

Surgical Quarter: Twelve weeks in general surgery; eye, ear, nose and throat work; urology; special therapy and radiology. This quarter is to be taken in Madison under preceptors selected from the local faculty of the Medical School.

The work of the quarter is arranged as follows:

| | |
|----------------------------------|---|
| General Surgery..... | Surg. 401, one-half time, 9 weeks, 4½ cr. |
| Eye, Ear, Nose, and Throat | Surg. 410, one-half time, 6 weeks, 3 cr. |
| Urology | Surg. 425, one-half time, 3 weeks, 1½ cr. |
| Special Therapy..... | Surg. 416, one-half time, 3 weeks, 1½ cr. |
| Radiology | Surg. 405, one-half time, 3 weeks, 1½ cr. |

Total.....12 cr.

Not more than two subjects are to be carried at one time.

Obstetrics: Surg. 406, 3 cr.

Three weeks, two in the Outpatient, one in the Inpatient Department of the Chicago Lying-In Hospital under the general supervision of Dr. J. B. DeLee and his associate Dr. E. L. Cornell.

Public Health: Hygiene 401, 3 cr.

Three weeks under the general supervision of the State and City Boards of Health. Each student spends one week in the State Laboratory of Hygiene, one week in the main office of the State Board of Health, and one week in field or hospital work in Madison or elsewhere.

Medical Jurisprudence and Medical Ethics: Med. 420, 1 cr.

During the year the student is expected to cover assigned reading and pass an examination on medical jurisprudence and medical ethics.

Elective Work: For this work no definite academic credits are assigned.

ELECTIVE EXTERN QUARTER: Each student is required to elect work for 12 weeks under the general supervision of an approved preceptor who is in position to provide the student with suitable hospital, laboratory, and library facilities for effective extern work on his service and that of his associates. A member of the staff of a hospital which has the requisite facilities and is willing to provide for such extern service may, with his consent and the approval of the faculty of the medical school, be selected by a student as supervising preceptor for a period of three months. The supervising preceptor may select such associate and assistant preceptors as he believes will add to the welfare of the student during his externship in the service of the preceptor.

SUBSTITUTE ELECTIVES: (a) In place of work as extern under an approved preceptor in an approved hospital a student may elect to serve as assistant to a general practitioner who has exceptional facilities for introducing the student to the problem of general practice and who has exceptional qualifications for teaching. (b) A student who has given evidence of special ability in scientific research may, with the approval of the Dean of the Medical School, in place of three months extern hospital service, serve three months in a scientific laboratory under the preceptorship of a scientist of recognized standing.

FREE ELECTIVE WORK: For six of the 48 weeks of service the student is free to elect any work in the field of medicine which meets the approval of the Dean of the Medical School.

Thesis: As a prerequisite for graduation each student is required to present and defend before a special committee a thesis on some social aspect of medicine, based in part upon personal experience.

BACHELOR OF ARTS

The regular requirements for this degree apply to those students who elect the work of the first year of the medical course during the senior year in the College of Letters and Science.

BACHELOR OF SCIENCE

(Medical Science Course)

Students in the College of Letters and Science who are candidates for this degree are required to take the following studies:

a. English, 6 credits (3 hours a week for a year), to be taken in the freshman year.

b. Foreign language. (1) A knowledge of elementary Latin, i.e., two years of high school Latin or its equivalent in college. (2) Either the completion of the fourth semester of French or German at the University of Wisconsin with a grade of 80 or above or a certificate of reading knowledge of one of these languages from the appropriate department at the University of Wisconsin. At least two years of work in foreign language shall be taken in college. (If first and second year courses are elected this will mean 14 to 16 credits.)

c. Courses in physics, chemistry, biology, and the medical sciences as outlined in the requirements of the Medical School. The requirement made of candidates for the degree of Bachelor of Arts that six credits shall be elected in history or eight in mathematics does not apply to candidates for the degree of Bachelor of Science (Medical Science Course).

d. The "credit" is the standard for computing the amount of work required for graduation. This is equivalent to one hour of recitation or lecture per week for one semester. Students are expected to take 15 credits per week in recitations, lectures and laboratory work, making 30 credits per year, and 120 for the course. In addition work in physical education or military science is required.

No student will be permitted to receive credit toward graduation for more than 18 credits in one semester in regular studies except by permission of the faculty obtained in advance.

e. Thesis—All candidates for a baccalaureate degree in the Medical School are required to present a graduating thesis, the subject of which must be approved by the student's adviser and the chairman of the department of his major. The thesis must represent some phase of the student's work in his major study, and must have the character of a scholarly dissertation on the subject.

MASTER OF SCIENCE AND DOCTOR OF PHILOSOPHY

Graduates of the University of Wisconsin or four-year courses of study in any approved university or college who matriculate in the Medical School may at the same time register in the Graduate School as candidates for the degree of Master of Science under the following conditions:

1. They shall make application to the Dean of the Graduate School at least seven months prior to the date at which the examinations for the degree are to take place.

2. At the time of application they shall present evidence of having completed such an amount of preliminary work in one of the basal sciences of medicine as will entitle them to take more advanced work in this science than is required in the regular medical curriculum.

3. During the period of at least one academic year, advanced work of this character shall be pursued under the direction of an instructor in the department in which the study is taken. This shall count as a major subject. The regular courses in the medical curriculum shall count as minor subjects.

4. On or before June 1 of the year in which the degree is to be conferred, the candidate must file with the Dean of the Graduate School a thesis approved by the instructor under whom his major has been taken. After the thesis has been

submitted, the candidate must sustain an oral examination upon the graduate work offered in support of his candidacy.

The degree of Doctor of Philosophy will be conferred under the usual conditions for this degree upon students registered in the Medical School.

MASTER OF PUBLIC HEALTH AND DOCTOR OF PUBLIC HEALTH

Candidates for the degree of Master of Public Health must fulfill the following requirements: (1) They must be doctors of medicine from schools approved by the Executive Committee of the Medical School as maintaining adequate standards for both academic and professional training. (2) They must complete one year of graduate work in residence at the University of Wisconsin, covering such special subjects as shall be prescribed by the Executive Committee. (3) They must present a thesis acceptable to the Executive Committee. (4) They must be assigned outside practice in board of health work by arrangement with the Executive Committee. (5) They must satisfy the Executive Committee as to their proficiency by examination.

The degree of Doctor of Public Health (Dr.P.H.) is open to holders of the degree of Doctor of Medicine from medical schools recognized as maintaining satisfactory standards. Candidates for the degree of Dr.P.H. are expected to cover here, or elsewhere, the special work prescribed for the degree of Master of Public Health and must spend at least two years in the study of sciences related to hygiene and public health, subsequent to the regular medical course. Two or more years of practical work as a health officer may be substituted for one of these years. The last of these years must be spent at Wisconsin and must be devoted chiefly to work upon a special subject leading to a thesis containing some original research acceptable to the Executive Committee of the Medical School. The major work leading to the thesis shall be accompanied by minor work in at least one other department. A final oral examination shall be given by a committee appointed by the Dean of the Graduate School.

PERSONAL ADVISER FOR STUDENTS

Premedical students are assigned to the assistant dean for approval as to choice of courses preparatory for medicine. Medical students are required to have the approval of the dean of the medical school as to choice of courses leading to the B.S. degree (Medical Science Course) and to the M.D. degree. The assistant dean assigns each premedical, the dean each medical student, to a member of the faculty who acts as a special personal adviser for that student. The premedical and medical courses are sufficiently difficult to require the full time of an intelligent student when in residence. Students who are not provided with enough funds sometimes spend so much time in outside work as to make it impossible for them to do justice to their professional studies. In many cases it would be better for such a student to reduce his scholastic schedule below the average and take more time to complete his curriculum, or to borrow money rather than to spend so much time in self-support. It is a function of an adviser to give counsel to students and parents in matters of this kind as well as in general to be a friend to the student assigned to him.

DEPARTMENTS OF INSTRUCTION

For a description of the courses in botany, zoology, chemistry, physics, psychology, climatology, and languages, see departmental announcements in the College of Letters and Science.

ANATOMY

PROFESSORS SULLIVAN (Chairman), MILLER (Emeritus), BARDEEN

ASSOCIATE PROFESSOR BAST

ASSISTANT PROFESSOR GEIST

INSTRUCTORS FRIEDBACHER, MORTENSEN, MOSSMAN, OSGOOD, SINCLAIR

STUDENT ASSISTANTS BOUDRY, HELLEBRANDT, HENKE, LANGE

RESEARCH ASSISTANT VANDER KAMP

A group of courses intended to offer a comprehensive view of the gross and microscopic anatomy and the embryology of mammals with especial reference to man is given in this department. In addition, opportunities are offered for advanced work and research in anatomy and for a study of some of the lower animal types of special interest in medicine. The laboratory is thoroughly equipped with apparatus, models, books, and materials for advanced as well as elementary work.

For those prepared to carry on advanced research, special laboratory facilities are provided.

FOR UNDERGRADUATES AND GRADUATES

110. HISTOLOGY AND ORGANOLGY. I; 4 cr. The study of the tissues, histology, followed by the study of the minute structure of the mammalian organs. Prerequisites: Junior standing, Biology 1. Lab. fee \$15; deposit \$7. Dr. Bast, Dr. Geist, and staff.
115. MAMMALIAN EMBRYOLOGY. II; 2 cr. The development of the pig is studied by means of dissection and the use of microscopic preparations. Human embryology is studied from sections, special preparations, and models. Prerequisite: Biology I. Lab. fee \$5.00. Dr. Bardeen, Dr. Mossman.
119. PHYSICAL EDUCATION ANATOMY. I; 4 cr. Lectures and laboratory work for students of physical education. Prerequisite: Biology 1. Lab. fee \$5.00. Dr. Bardeen.
120. HUMAN ANATOMY. II; 6 cr. For students of physical education. Prerequisite: Biology I. Lab. fee \$5.00. Dr. Bardeen.
121. HUMAN ANATOMY. Yr; 12 cr. In this course a thorough training is offered in the dissection of the human body and in descriptive human anatomy. Prerequisites: Junior standing, Biology I. Lab. fee I, \$15.00; II, \$15.00. Dr. Bardeen, Dr. Sullivan.
122. TOPOGRAPHICAL ANATOMY. Yr; 2-4 cr. This course is offered in two forms. One may either study frozen sections and special preparations or make a

second dissection of the human body. Prerequisite: Anatomy 121. Lab. fee, \$5.00-\$10.00. Dr. Sullivan.

123. SPECIAL HUMAN ANATOMY. Those qualified to do independent work may make special arrangement for the study of human anatomy.
126. NEURAL ANATOMY. II; 4 cr. This course consists of dissection of the human brain, and a study of the microscopic anatomy of the central nervous system and sense organs. Prerequisites: Anatomy 110 and 115. Lab. fee, \$15.00; deposit \$7.00. Dr. Geist, Dr. Bast.
130. ADVANCED ANATOMY. Opportunity for advanced study in the field of human and comparative anatomy, gross and microscopic, in embryology and experimental morphology, and in laboratory technique is offered to properly qualified students. Under the direction of various members of the staff.
131. HISTORICAL SEMINARY. II; 1 cr. Dr. Miller.

FOR GRADUATES

235. INVESTIGATION UNDER DIRECTION. To qualified students the department is prepared to offer problems for investigation and training in methods of research. Special arrangements for this work may be made with the individual members of the staff.
240. INDEPENDENT INVESTIGATIONS. The department welcomes independent independent investigators who wish to make use of its facilities for conducting research in anatomy.

HYGIENE

In conjunction with the staffs of the State Laboratory of Hygiene, the Wisconsin Psychiatric Institute, the State Board of Health and the Boards of Health of the cities of Milwaukee and Madison, courses in hygiene are offered by members of the Faculty of the Medical School under the general supervision of Professors Clark and Stovall.

FOR UNDERGRADUATES

5. HEALTH AND DISEASE. II; 2 cr. The more important aspects of personal and public hygiene; designed especially for students who desire a knowledge of how to promote their own health and that of the community. Dr. Clark.

FOR GRADUATES AND UNDERGRADUATES

101. PUBLIC HEALTH. I; 2 cr. Lectures and field work for medical students. Given in conjunction with Bacteriology 102. Prerequisite: second year medical standing. Dr. Clark, Dr. Harper, Dr. Stovall.
102. BACTERIOLOGY FOR HEALTH OFFICERS. I; 4 cr. Given in conjunction with medical bacteriology but with special work in the State Laboratory of Hygiene and some special lectures. Lab. fee \$15.00. Dr. Clark, Dr. Stovall.
106. PHYSIOLOGY FOR HEALTH OFFICERS. II; 5 cr. Given in conjunction with Courses 105 and 107 in medical physiology but with special reference to the

needs of health officers. Special topics in respiration, dietetics, chemistry of food, air, water, sewage, etc. Dr. Eyster, Dr. Dawson.

401. PRACTICAL FIELD WORK. I or II; 3 cr. Prerequisite: fourth year medical standing.

MEDICINE

GENERAL MEDICINE

PROFESSORS EVANS (Chairman), VAN VALZAH
 ASSOCIATE PROFESSOR OF MEDICINE MIDDLETON
 ASSOCIATE PROFESSORS OF CLINICAL MEDICINE BLANKINSHIP, MORRIS
 CLINICAL PROFESSOR GREELEY
 ASSISTANT CLINICAL PROFESSOR ROBBINS
 CLINICAL ASSOCIATE KAY
 INSTRUCTORS MCKINLEY, SPRAGUE

110. PHYSICAL DIAGNOSIS. I; 3 cr. Normal physical diagnosis, (in conjunction with the Department of Surgery). Prerequisite: second year medical standing. Lab. fee \$5.00. Dr. Van Valzah.
111. MEDICAL DIAGNOSIS. II; 2 cr. Pathological clinical diagnosis. Prerequisites: one semester each of Pathology 101, Bacteriology 102, Medicine 110 and Surgery 101. Lab. fee \$5.00. Dr. Van Valzah.
118. PHYSICAL EXAMINATIONS. II; 3 cr. For students in physical education. Prerequisites: Anatomy 119 or 120, Physiology 115. Lab. fee \$5. Dr. Morris.
301. THIRD YEAR MEDICINE. Yr; 12 cr. Lectures, clinics, conferences, and ward work. Prerequisite: third year medical standing. Lab. fee \$25.00. Dr. Evans, Dr. Middleton and staff.
302. ADVANCED WORK AND RESEARCH. Credit according to work done.
401. FOURTH YEAR MEDICINE. I or II; 4½ cr. Prerequisite: fourth year medical standing.

CLINICAL PATHOLOGY

PROFESSOR STOVALL
 INSTRUCTORS FAUERBACH, KASTLIN, NELSON

102. CLINICAL LABORATORY DIAGNOSIS. II, 3 cr. Prerequisites: Bacteriology 102, Pathology 101, Physiological Chemistry 104. Lab. fee \$10.00. Dr. Stovall and staff.

DERMATOLOGY

PROFESSOR FOERSTER
 ASSISTANT PROFESSOR MCINTOSH
 ASSOCIATE H. R. FOERSTER

315. DERMATOLOGY. I; 1 cr. Prerequisite: completion of second year of medical course with satisfactory grades.

316. ADVANCED WORK AND RESEARCH. Credit according to work done.
415. FOURTH YEAR DERMATOLOGY. I or II; 1½ cr. Prerequisite: completion of the third year of the medical course with satisfactory grades. (Note 1)
- (Note 1) Through the courtesy of Drs. O. H. Foerster and H. R. Foerster of Milwaukee this course is given in Milwaukee.

MEDICAL JURISPRUDENCE AND MEDICAL ETHICS

420. MEDICAL JURISPRUDENCE AND MEDICAL ETHICS. 1 cr. Assigned reading and examination.

NEURO-PSYCHIATRY

PROFESSOR LORENZ

ASSISTANT PROFESSORS BLECKWENN, REESE

INSTRUCTOR GIBSON

112. PROBLEMS IN NEURO-PSYCHIATRY. Credit according to work done. Dr. Lorenz and staff.
312. NEURO-PSYCHIATRY FOR THIRD YEAR MEDICAL STUDENTS. II. 2 cr. Prerequisite: satisfactory completion of first semester of third year. Dr. Lorenz and staff.
412. NEURO-PSYCHIATRY FOR FOURTH YEAR MEDICAL STUDENTS. I or II; 3 cr. Prerequisite: completion of third year of medical course with satisfactory grades.

PEDIATRICS

ASSISTANT PROFESSORS GONCE, TENNEY

CLINICAL ASSOCIATE CARTER

LECTURER KASSOWITZ

310. PEDIATRICS. I; 1 cr. Prerequisite: completion of second year of medical course with satisfactory grades.
410. FOURTH YEAR PEDIATRICS. I or II; 3 cr. Prerequisite: completion of third year of medical course with satisfactory grades.

THERAPEUTICS

PROFESSOR LOEVENHART

ASSOCIATE PROFESSOR LEAKE

305. THERAPEUTICS. I; 1 cr. Prerequisite: completion of second year of medical course with satisfactory grades.
306. ADVANCED WORK AND RESEARCH. Credit according to work done.

PATHOLOGY AND MEDICAL BACTERIOLOGY

PROFESSORS BUNTING (Chairman), MEDLAR, CLARK

ASSISTANT PROFESSOR CROMWELL

INSTRUCTORS AITKEN, GILLETTE, HOLFORD

ASSISTANTS CLARK, WILSON

FOR UNDERGRADUATES AND GRADUATES

101. GENERAL PATHOLOGY. I, $\frac{1}{3}$ II; 7-8 cr. The principles of general human pathology and the essentials of pathological anatomy. The laboratory exercises are devoted mainly to a study of pathological histology and to demonstrations of gross morbid specimens. Prerequisites: Anatomy 110, 115, 126. Required of second year medical students. Lab. fee I, \$15.00; II, \$5.00. Dr. Bunting, Dr. Medlar, and staff.
102. MEDICAL BACTERIOLOGY. I; 4 cr. This course, which is especially designed for medical students, considers the bacteria and protozoa that are chiefly concerned in the production of disease processes. Weekly lectures in immunology. Prerequisites: Chemistry 1, Biology 1. Required of second year medical students. Lab. fee \$15. Dr. Clark, Dr. Cromwell, Miss Holford.
103. EXPERIMENTAL PATHOLOGY. II; 4 cr. In this course by suitable experiments the work of course 101 is supplemented and elaborated. It may be taken for thesis credit. Prerequisites: Anatomy 110, 115, 126. Dr. Bunting.
104. IMMUNOLOGY. II; 4 cr.; may be taken as a thesis course. It includes experimental work with all of the known antibodies and weekly conferences on the fundamental theories of immunology. Open to a limited number of students who have completed Bacteriology 102. Dr. Cromwell, Dr. Clark.
106. ADVANCED BACTERIOLOGY. I or II; credit by arrangement. Dr. Clark.
108. BACTERIOLOGY JOURNAL CLUB. Yr; 1 cr. Dr. Clark.
109. IMMUNOLOGY SEMINAR. II; 1 or 2 cr. Dr. Clark.

FOR GRADUATES

204. ADVANCED PATHOLOGY. II; credit by arrangement. Dr. Bunting.
 301. CLINICAL PATHOLOGICAL CONFERENCES. Yr; Given as a part of Medicine 301. Dr. Bunting, Dr. Medlar, and members of medical and surgical staffs.
- Microscope Deposit Fee for all courses \$5.00.

PHARMACOLOGY AND TOXICOLOGY

PROFESSOR LOEVENHART (Chairman)

ASSOCIATE PROFESSOR LEAKE

ASSISTANT PROFESSOR MUEHLBERGER

RESEARCH PHARMACOLOGIST THOMAS

ASSISTANT KEHR

Elementary and advanced courses in pharmacology and toxicology are offered in this department. For the elementary courses a previous training in physiological chemistry and physiology is required. The advanced courses are open to those

who have had adequate elementary training. The laboratory is specially fitted for research in chemo-therapy.

FOR GRADUATES AND UNDERGRADUATES

101. TOXICOLOGY. II; 1 cr. Lectures in the general action of toxic drugs, on diagnosis of poisoning, treatment and the mode of conducting an autopsy when the tissues are to be subsequently examined chemically in medico-legal cases. Dr. Loevenhart, Dr. Muehlberger.
104. PHARMACOLOGY. II; 2 cr. Lectures on the chemistry, the pharmacological and toxicological action, and the therapeutic uses of the chief medicinal drugs. Practice in prescription writing. Dr. Loevenhart, Dr. Leake.
105. PHARMACOLOGY. II; 2 cr. Laboratory course. Experimental studies on the action of drugs. Lab. fee \$16.00; deposit \$2.00. Staff.
108. ADVANCED WORK. Those qualified to undertake advanced work and research in pharmacology and toxicology may make arrangements for conducting such work under the supervision of Dr. Loevenhart or Dr. Leake.
112. INDEPENDENT INVESTIGATION. To any one qualified to carry on work of this character the facilities of the laboratory are available.
116. HISTORY OF MEDICINE. II; 1 cr. Dr. Leake.
120. JOURNAL CLUB. Yr. A meeting of the Journal Club is held weekly. Advanced students will be expected to report from time to time upon current papers dealing with pharmacology and toxicology.

PHYSIOLOGICAL CHEMISTRY

PROFESSOR BRADLEY (Chairman)
ASSOCIATE PROFESSOR SEVRINGHAUS
INSTRUCTORS BAERNSTEIN, MARKS

FOR UNDERGRADUATES AND GRADUATES

104. PHYSIOLOGICAL CHEMISTRY. I; 4 cr. Lectures, conferences, and laboratory work. Required for first year medical students and open to others as an elective. Prerequisites: Chemistry 1 and 20 or 120. Physics 1, Biology 1. Lab. fee \$20, deposit \$5.00. Dr. Bradley, Dr. Sevringhaus.
114. PHYSIOLOGICAL CHEMISTRY. I; 3 cr. Lectures, conferences, and laboratory work. Required of juniors in physical education and open to others as an elective. Prerequisites: Chemistry 1, Physics 1, Biology 1. Lab. fee \$12.00, deposit \$5.00. Dr. Bradley.
117. ADVANCED PHYSIOLOGICAL CHEMISTRY AND RESEARCH. II; credit by arrangement. Lab. fee \$15, deposit \$5. Dr. Bradley, Dr. Sevringhaus.
120. JOURNAL CLUB. Yr; 1 cr. Dr. Bradley.

FOR GRADUATES

222. SEMINAR IN PHYSIOLOGY, PHARMACOLOGY, AND PHYSIOLOGICAL CHEMISTRY. Yr; 1 cr.

PHYSIOLOGY

PROFESSORS EYSTER, MEEK (Chairman)

ASSOCIATE PROFESSOR DAWSON

INSTRUCTORS MCCREA, POMMERENKE, STALEY, WILSON

ASSISTANTS BENN, PRIEN

FOR UNDERGRADUATES

1. ELEMENTS OF HUMAN PHYSIOLOGY. I; 4 cr. Lab. fee \$2.00. Lectures, quizzes and demonstrations giving a general knowledge of the structure and functions of the human body, and especially adapted to teachers. Students electing this course should have some chemistry. Dr. Meek.
3. ANIMAL PHYSIOLOGY. II; 4 cr. Especially designed for students in agriculture, but open to others. Lab. fee \$3. Dr. Meek and assistants.
4. PHYSIOLOGY, BACTERIOLOGY AND HYGIENE. I or II; 6 cr. Lab. fee \$5. Open only to students in the course in nursing. Mr. McCrea.

FOR UNDERGRADUATES AND GRADUATES

105. MEDICAL PHYSIOLOGY. II; 7 cr. Lectures, recitations, demonstrations, and laboratory. Required of first year medical students and open to others as an elective. Prerequisites: Anatomy 110, 121 (Comparative or human anatomy), 126; Physiological Chemistry 104. Lab. fee \$17.00, deposit \$1.00. Dr. Meek, Dr. Eyster.
106. MEDICAL PHYSIOLOGY. I; 2 cr. Prerequisite: Physiology 105. Required of second year medical students. Dr. Meek, Dr. Eyster.
115. PHYSIOLOGY. Yr; 10 cr. Lectures, recitations, demonstrations, and laboratory. Required of juniors in physical education and open to others as an elective. Prerequisites: Comparative anatomy, physiological chemistry. Lab. fee \$15.00, deposit \$2.00. Dr. Dawson, Miss Staley.
118. ADVANCED PHYSIOLOGY AND RESEARCH. Yr; credit according to work done. Lab. fee \$5.00. Dr. Eyster, Dr. Meek, Dr. Dawson.
120. JOURNAL CLUB. Yr; 1 cr. Reports of recent physiological and biochemical literature. Dr. Meek.
121. HISTORY OF PHYSIOLOGY. I; 2-5 cr. Prerequisite: Physiology 105 or 115. Dr. Dawson.

SURGERY

GENERAL SURGERY

Wisconsin General Hospital Staff

PROFESSOR SCHMIDT (Chairman)

ASSISTANT PROFESSOR OCHSNER

Associate Staff

Madison General Hospital

CLINICAL PROFESSOR T. W. TORMEY

CLINICAL ASSOCIATES A. G. SULLIVAN, A. R. TORMEY

CLINICAL INSTRUCTOR E. S. SULLIVAN

Methodist Hospital

CLINICAL PROFESSOR R. H. JACKSON

CLINICAL ASSOCIATE J. A. JACKSON

St. Mary's Hospital

CLINICAL PROFESSOR J. DEAN

CLINICAL ASSOCIATE J. P. DEAN

102. SURGICAL CLINICS. II; 1 cr. Prerequisite: second year medical standing. At the Wisconsin General, Madison General, Methodist, and St. Mary's Hospitals.
103. ELEMENTS OF SURGERY. II; 1 cr. Prerequisite: Second year medical standing. Dr. Schmidt.
301. SURGERY FOR THIRD YEAR MEDICAL STUDENTS. Yr; 10 cr. Lectures, conferences, ward work, and clinics. Prerequisite: completion of second year of medical course with satisfactory grades. Lab. fee \$25.00. Dr. Schmidt and staff.
302. ADVANCED WORK AND RESEARCH. Credit according to work done.
401. SURGERY FOR FOURTH YEAR MEDICAL STUDENTS. I or II; 4½ cr. Prerequisite: completion of third year of medical course with satisfactory grades.

OBSTETRICS AND GYNECOLOGY

ASSISTANT PROFESSORS HARPER, SCHNEIDERS

CONSULTANT DAVIS

330. OBSTETRICS AND GYNECOLOGY. II; 3 cr. Prerequisite: third year medical standing. Lab. fee \$5.00.
331. ADVANCED WORK AND RESEARCH. Credit according to work done.
406. FOURTH YEAR OBSTETRICS. I; 3 cr. Prerequisite: completion of third year of medical course with satisfactory grades. (Note 1)

(Note 1) Through the courtesy of the Director of the Chicago Lying-In Hospital and of Dr. J. B. DeLee and Dr. E. L. Cornell, this course is given in Chicago.

OPHTHALMOLOGY, RHINOLOGY, AND OTOLARYNGOLOGY

PROFESSOR DAVIS

ASSISTANT PROFESSORS BOWER, NEFF, NESBIT

INSTRUCTORS BACH, HYSLOP

RESEARCH ASSISTANT SMITH

CLINICAL ASSISTANT KLEIN

310. OPHTHALMOLOGY, RHINOLOGY, AND OTOLARYNGOLOGY. I; 2 cr. Prerequisite: completion of second year of medical course. Lab. fee \$5.00. Dr. Davis and staff.

311. ADVANCED WORK AND RESEARCH. Credit according to work done. Dr. Davis and staff.
410. FOURTH YEAR OPHTHALMOLOGY, RHINOLOGY, AND OTOLARYNGOLOGY. I or II; 3 cr. Prerequisite: completion of third year of medical course with satisfactory grades.

ORTHOPEDIC AND PLASTIC SURGERY

PROFESSORS GAENSLEN, BROWN
ASSISTANT PROFESSOR BURNS

315. ORTHOPEDICS. II; $\frac{1}{2}$ cr. Prerequisite: third year medical standing.
314. PLASTIC SURGERY. II; $\frac{1}{2}$ cr. Prerequisite: third year medical standing.

PHYSIO-THERAPY

PROFESSOR ELSOM

316. PHYSIO-THERAPY, including MECHANO-THERAPY, HELIO-THERAPY, ELECTRO-THERAPY, and HYDRO-THERAPY. I; 1 cr. Prerequisite: third year medical standing. Given in conjunction with Therapeutics, Medicine 305.
317. ADVANCED WORK AND RESEARCH. Credit according to work done.
416. PHYSIO-THERAPY FOR FOURTH YEAR MEDICAL STUDENTS. I or II; $1\frac{1}{2}$ cr. Prerequisite: completion of third year of medical course with satisfactory grades.

RADIOLOGY

CLINICAL ASSOCIATES HODGES, SISK
TECHNICIAN LINDBERG

104. X-RAY TECHNIQUE. Credit to be arranged. Lab. fee \$5.00.
320. RADIOLOGY. II; 1 cr. Prerequisite: third year medical standing. Lab fee \$5.00.
405. FOURTH YEAR RADIOLOGY. I or II; $1\frac{1}{2}$ cr. Prerequisite: completion of third year of medical course with satisfactory grades.

UROLOGY

ASSISTANT PROFESSOR SISK

325. UROLOGY. II; 1 cr. Prerequisite: third year medical standing.
326. ADVANCED WORK AND RESEARCH. Credit according to work done.
425. UROLOGY FOR FOURTH YEAR MEDICAL STUDENTS. I or II; $1\frac{1}{2}$ cr. Prerequisite: completion of third year of medical course with satisfactory grades.

FEES AND EXPENSES

College of Letters and Science, and Medical School

| | |
|---|---------|
| Resident tuition | Free |
| Nonresident tuition, per semester | \$62.00 |
| Incidental fees for all students, per semester..... | 15.50* |
| General fee, Summer Session | 22.00 |

*This includes an infirmary fee of \$3.50.

LABORATORY FEES

| | Fee | Deposit |
|---|---------|---------|
| Anatomy 115, 122, each..... | \$ 5.00 | |
| Anatomy 110 | 10.00 | \$ 2.00 |
| Anatomy 121, per semester | 15.00 | |
| Anatomy 126 | 15.00 | 7.00 |
| Medicine | | |
| Clinical Laboratory Diagnosis, 102..... | 10.00 | |
| Normal Physical Diagnosis, 110..... | 5.00 | |
| Pathological Physical Diagnosis, 111..... | 5.00 | |
| Third Year Medicine, 301 | 25.00 | |
| Pathology, 101 first semester | 15.00 | |
| Pathology, 101 second semester | 5.00 | |
| Medical Bacteriology, 102 | 20.00 | 5.00 |
| Pharmacology 105 | 16.00 | 2.00 |
| Physiology 3 | 3.00 | |
| Physiology 105 | 17.00 | 1.00 |
| Physiology 115 | 15.00 | 2.00 |
| Physiological Chemistry 104 | 20.00 | 5.00 |
| Physiological Chemistry 114 | 14.00 | 5.00 |
| Physiological Chemistry 117 | 15.00 | 5.00 |
| Surgery | | |
| Minor Surgery 101 | 5.00 | |
| Obstetrics 330 | 5.00 | |
| Ophthalmology 310 | 5.00 | |
| Radiology 320 | 5.00 | |
| Third Year Surgery 301 | 25.00 | |

BOARD AND ROOM

Rooms, furnished and unfurnished, can be obtained in the city at prices per week ranging from \$2.50 to \$6.00 a person. The cost of board in clubs is from \$5.00 to \$7.00 per week; in private boarding houses and cafeterias from \$6.50 to \$8.50 a week. Many students obtain room and board in families or clubs by rendering services, but these places are eagerly sought for and cannot always be obtained at once. Those dependent upon themselves for support should not come to the University unless they have a reasonable reserve fund.

For fourth year medical students special provisions for rooms are made both at Madison and for the extra-mural work. Consult Dr. R. C. Buerki, Superintendent, Wisconsin General Hospital.

SCHOLARSHIPS

For scholarships see General Catalog.

STUDENTS MATRICULATED 1925-26

FIRST YEAR

| | |
|-------------------------------------|-----------------------|
| Andersen, Oswald | Madison |
| Anderson, William M. | Phillips |
| Ansfield, David J. | Milwaukee |
| Atwood, David C. | Madison |
| Bachhuber, Alfred H. | Juneau |
| Bachhuber, Hugo M. | Medford |
| Backus, Charlotte | Milwaukee |
| Backus, Otto A. | Milwaukee |
| Berwanger, Willard J. | Oak Park, Illinois |
| Bingham, Elmer M. | Milton |
| Birkbeck, Norman J. | Gratiot |
| Birnbaum, Isadore R. | Milwaukee |
| Blum, Otto S. | Monticello |
| Brady, Anne | Early, Iowa |
| Burch, Hobart A. | Ashland |
| Burpee, George F. | Janesville |
| Caldwell, Ruth | St. Croix Falls |
| Cole, Llewellyn R. | Milwaukee |
| Conway, James P. | Wisconsin Rapids |
| Cummings, Earl F. | Hawkins |
| Curless, Grant R. | Walworth |
| Davis, Lawrence C. | Richland Center |
| Dawson, George W. | Madison |
| Dedrick, Martha L. | Manitowoc |
| Deerhake, Homer | St. Mary's, Ohio |
| Duehr, Peter A. | Hayward |
| Dulmes, Abraham H. | Adell |
| Dunlap, James Hudson | Dallas, Texas |
| Dunlap, John Elbert | Dallas, Texas |
| Eagleburger, L. Sidney ¹ | Madison |
| Edwards, Paul K. | Lancaster |
| Fenton, Harry E. | Marshfield |
| Finn, Walton C. | Santa Ana, California |
| Folsom, Hugh | Fond du Lac |
| Franseen, Clifford C. | Frederic |
| Furlong, Thomas F. ¹ | Milwaukee |
| Gopadze, Illarion | Madison |
| Gronlund, Anna | Merrill |
| Haney, Hance | Westfield |
| Hansen, Arthur C. ¹ | Racine |
| Harris, John J. | Cuba City |
| Henry, Merlyn G. | Platteville |
| Hill, N. Alfred | Madison |
| Hinckley, Robert | Madison |
| Hoel, Kenneth P. | Baldwin |

¹Repeating first year work.

| | |
|-------------------------------------|------------------------|
| Horwitz, Harry | Oshkosh |
| Hurwitz, Ben L. | Milwaukee |
| Janssen, Frank J. | Green Bay |
| Jorgenson, Milton C. | Sisseton, South Dakota |
| Kandel, Ernestine | Oconto |
| Katz, Samuel D. | Marinette |
| Kehr, Edwin F. | Watertown |
| Kimple, Ben F. | Sturtevant |
| Kohl, Martha | Marshfield |
| Korfmacher, Edwin S. | Cottage Grove |
| Lacey, Volney ³ | Madison |
| Laird, James A. ¹ | Madison |
| Lane, Albert W. ³ | Janesville |
| Lange, Eugene W. | Cedarburg |
| Lapp, Harry D. | Windsor |
| Law, Stanley G. | Ashland |
| Leinfelder, Placidus J. | La Crosse |
| Lilygren, Stella | Madison |
| McBain, Bernard | Madison |
| McGuire, Leo J. | Waunakee |
| Merar, Thomas J. | Marinette |
| Miller, Harold | Milwaukee |
| Nammacher, Traugott A. ¹ | Oconomowoc |
| Oppel, Theodore W. | Madison |
| O'Shea, Katharine | Madison |
| Parker, Howard W. | Byron, Minnesota |
| Pearson, Carlyle R. | Madison |
| Pollack, Saul K. | Chicago, Illinois |
| Pommerenke, Wesley T. | Clay Center, Kansas |
| Powers, Kenneth V. | Cudahy |
| Prien, Edwin L. | Madison |
| Quade, Raymond H. | Kewaskum |
| Rasmussen, Jane Tenney | Madison |
| Rau, Gerald A. | Two Rivers |
| Reingold, Joseph C. | Milwaukee |
| Rikkens, Donald F. | Waupun |
| Ruehlman, David D. | Plymouth |
| Sannes, William A. ¹ | Madison |
| Schriber, Paul | Wilson |
| Schultz, Isadore | Madison |
| Schutkin, Meyer W. | Milwaukee |
| Scolten, Adrian ² | Madison |
| Shapiro, Harry | Milwaukee |
| Shebesta, Emil M. | Cato |
| Smedal, Magnus I. | McFarland |
| Smith, Russell C. | Ft. Atkinson |

¹Repeating first year work.²Completing first year work.³Withdrew during the year.

Stadel, E. Vernon
 Stubenvoll, Harvey C.³
 Studley, William H.
 Stuessy, Milton
 Swigart, Marion
 Theison, Harold J.
 Tjoflat, Oliver
 Treweek, David N.
 Underhill, Dorothy
 Vogel, Thorn
 Vollenweider, Carlos
 Walsh, James D.
 Wendt, Floyd A.
 Whipple, Dorothy
 Whitson, Merritt B.³
 Wick, Samuel
 Wirka, Herman W,

Hazel Green
 Shawano
 Milwaukee
 Winslow, Illinois
 Clinton, Illinois
 Slinger
 Ettrick
 Mineral Point
 Summit, New Jersey
 Milwaukee
 Argentina, South America
 Mauston
 Lake Mills
 Madison
 Madison
 Marinette
 Madison

SECOND YEAR

Abbott, Gordon W.
 Aitken, Herbert M.
 Baldwin, Raymond M.²
 Barnes, Janet S.
 Benn, Herbert P.
 Benson, Clifford D.
 Bepler, Alice C.
 Berg, George
 Bock, Adolph B. C.
 Boudry, Marshall O.
 Brindley, Benjamin
 Brindley, Mrs. Emma³
 Bubolz, Richard C.
 Burke, Mead²
 Clauson, Theron
 Crandall, Lathan A.
 Davee, Chalmer
 Dietrich, Carlisle
 Erickson, Milo T.
 Erickson, Milton H.
 Eschweiler, Paul C.
 Freitag, Samuel A.
 Gage, Everett L.
 Gareps, Ralph W.
 Gillette, Frank J.
 Goedecke, Raymond
 Hahn, Frederick A.

Elgin, Illinois
 Bozeman, Montana
 Beloit
 Madison
 Madison
 Iola
 San Francisco, California
 Madison
 Sheboygan
 Fond du Lac
 Boscobel
 Madison
 Seymour
 Madison
 Bloomer
 Madison
 River Falls
 Madison
 Cameron
 Lowell
 Madison
 New Glarus
 Whitehall
 Milwaukee
 Tomahawk
 Merrimac
 Watertown

²Completing first year work.

³Withdrew during the year.

| | |
|-----------------------------------|-------------------------|
| Haigh, Frederic W. | Madison |
| Hardgrove, Maurice | Fond du Lac |
| Harmon, John C. | Sparta |
| Hare, Alva Groth ³ | Jackson |
| Hellebrandt, Frances | Oak Park, Illinois |
| Hemphill, Paul H. | Madison |
| Hendrickson, Herman S. | Black River Falls |
| Henke, Sam L. | Baraboo |
| Hitz, John B. | Nashotah |
| Hudson, Leo A. | Madison |
| Johnson, Ralph B. | La Crosse |
| Jones, Ralph E. | Plymouth |
| Kammer, Adolph G. | New Glarus |
| Kler, Joseph H. | Black River Falls |
| Larson, John A. | Scandia, Kansas |
| Leitz, Frank | Los Angeles, California |
| Lundt, Milo | Madison |
| McNair, Ralph E. ¹ | Brodhead |
| Mantell, Jacob F. | Racine |
| Manz, Walton R. | Eau Claire |
| Marks, Joseph H. | Madison |
| Millar, Malcolm G. | Madison |
| Milliren, Russell E. ³ | Stockholm |
| Mortensen, Otto A. | South Milwaukee |
| Mosier, Dwight | Hennville, Michigan |
| Mueller, Frederick C. | Madison |
| Neubert, Albert | Milwaukee |
| O'Brien, Harold A. | Madison |
| Ohlsen, Michael P. | Madison |
| O'Malley, William P. | Waunakee |
| Patzer, Walter E. | Madison |
| Perrin, Stuart H. | Star Prairie |
| Phillips, Clyde L. | Madison |
| Puehler, Ruth M. ³ | Madison |
| Rauschwalbe, Lothar E. | Milwaukee |
| Reay, George D., | La Crosse |
| Roach, Carroll E. | Madison |
| Rosenbaum, Mose | Milwaukee |
| Rydell, Otto E. ¹ | Superior |
| Saffro, Lionel B. | Milwaukee |
| Schade, Robert E. | Milwaukee |
| Seymour, Walter J. | Madison |
| Sharp, Darrell S. | Evansville |
| Shaw, George D. | Holland, Michigan |
| Smedal, Agnar T. | McFarland |
| Stanton, Ed. | Mitchell, South Dakota |

¹Repeating first year work.²Completing first year work.³Withdrawn during the year.

| | |
|-------------------------|-------------------|
| Stebbins, George | Madison |
| Tegge, Charles W. | Two Rivers |
| Tessier, Alban F. | De Pere |
| Thiel, Wilfred A. | Marshfield |
| Turkeltaub, Solomon M. | Milwaukee |
| Van Verst, Paul H. | Holland, Michigan |
| Weeks, Frank D. | Marion, Ohio |
| Wheeler, Robert M. | Madison |
| Wilson, Otis M. | Aurora, Indiana |
| Zaun, John ³ | Milwaukee |
| Ziegler, Allen M. | Moline, Illinois |
| Zuker, Samuel D. | Toledo, Ohio |

THIRD YEAR

| | |
|-----------------------|------------------------|
| Anderson, Ruth | Milwaukee |
| Burke, Charles F. | De Pere |
| Carns, Marie L. | Knoxville, Illinois |
| Chen, Ko Kuei | Shanghai, China |
| Chorlog, John I. | Madison |
| De Nosaquo, Norman V. | Milwaukee |
| Emery, Myra | Madison |
| Grab, John A. | Manawa |
| Hatfield, Margaret | Madison |
| Johnson, Vincent | Madison |
| Keck, Everett | Long Beach, California |
| Lins, Beatrice | Spring Green |
| Long, Chester | Stanley |
| Ludden, Raymond | Bloomington |
| Mason, Frank | Milwaukee |
| Marsden, Wendell | Fennimore |
| Morrison, John T. | Owensboro, Kentucky |
| Munro, Jeannette | Princeton, New Jersey |
| Osgood, Carroll W. | Brodhead |
| Rathert, Burton S. | Chilton |
| Sannes, Didrik | Madison |
| Senn, Milton | Madison |
| Sterling, Russell | Thorp |
| Supernaw, Jack S. | Madison |
| Vander Kamp, Harry | Holland, Michigan |
| Werrell, William | Madison |

³Withdrew during the year.

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1927/28

Bulletin of
THE UNIVERSITY OF WISCONSIN

The Medical School

THE LIBRARY OF THE
Announcement of Premedical and
Medical Courses and Courses in Hygiene

UNIVERSITY OF ILLINOIS

1927-28



MADISON, WISCONSIN

June, 1927

Bulletin of
THE UNIVERSITY OF WISCONSIN

The Medical School

Announcement of Premedical and
Medical Courses and Courses in Hygiene

1927-28



MADISON, WISCONSIN

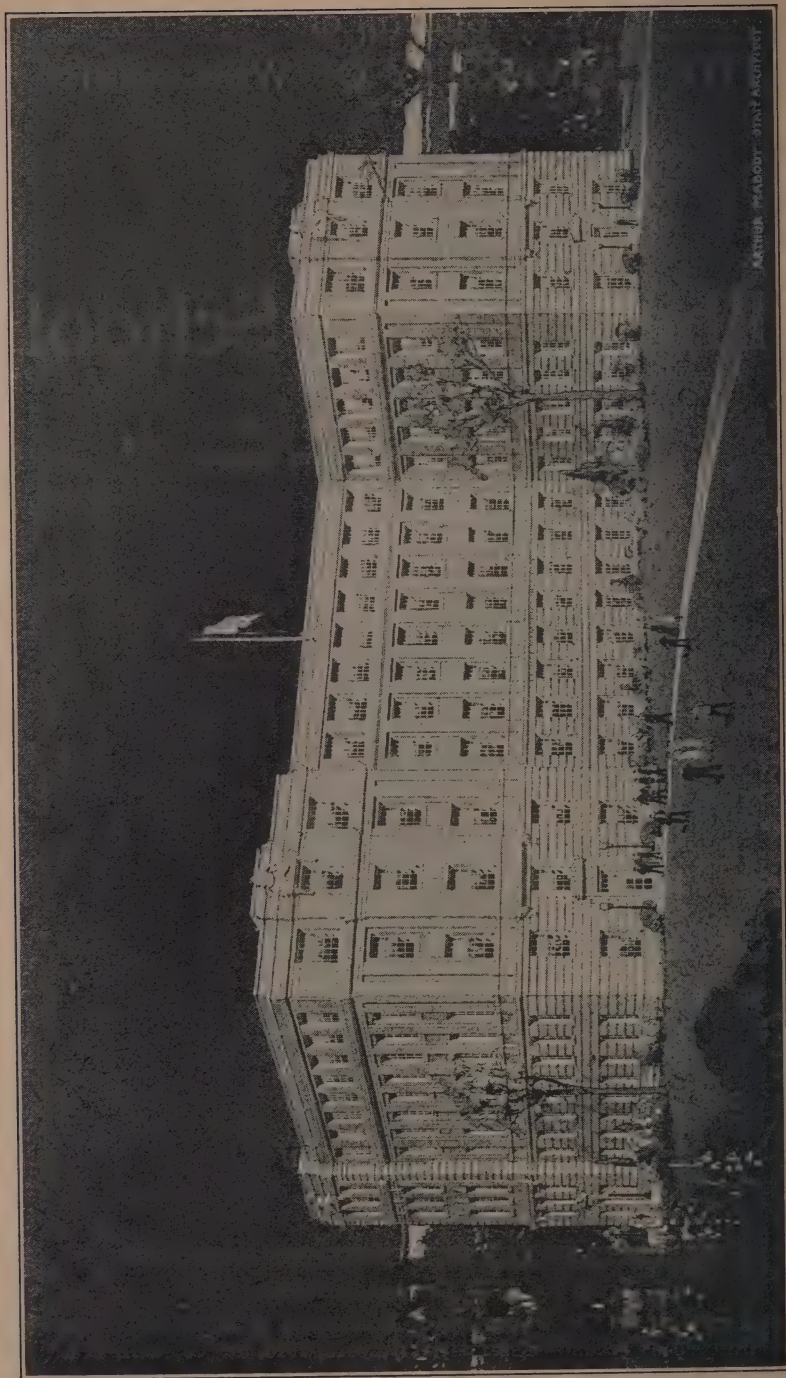
June, 1927

BULLETIN OF THE UNIVERSITY OF WISCONSIN

Serial No. 1444; General Series No. 1220

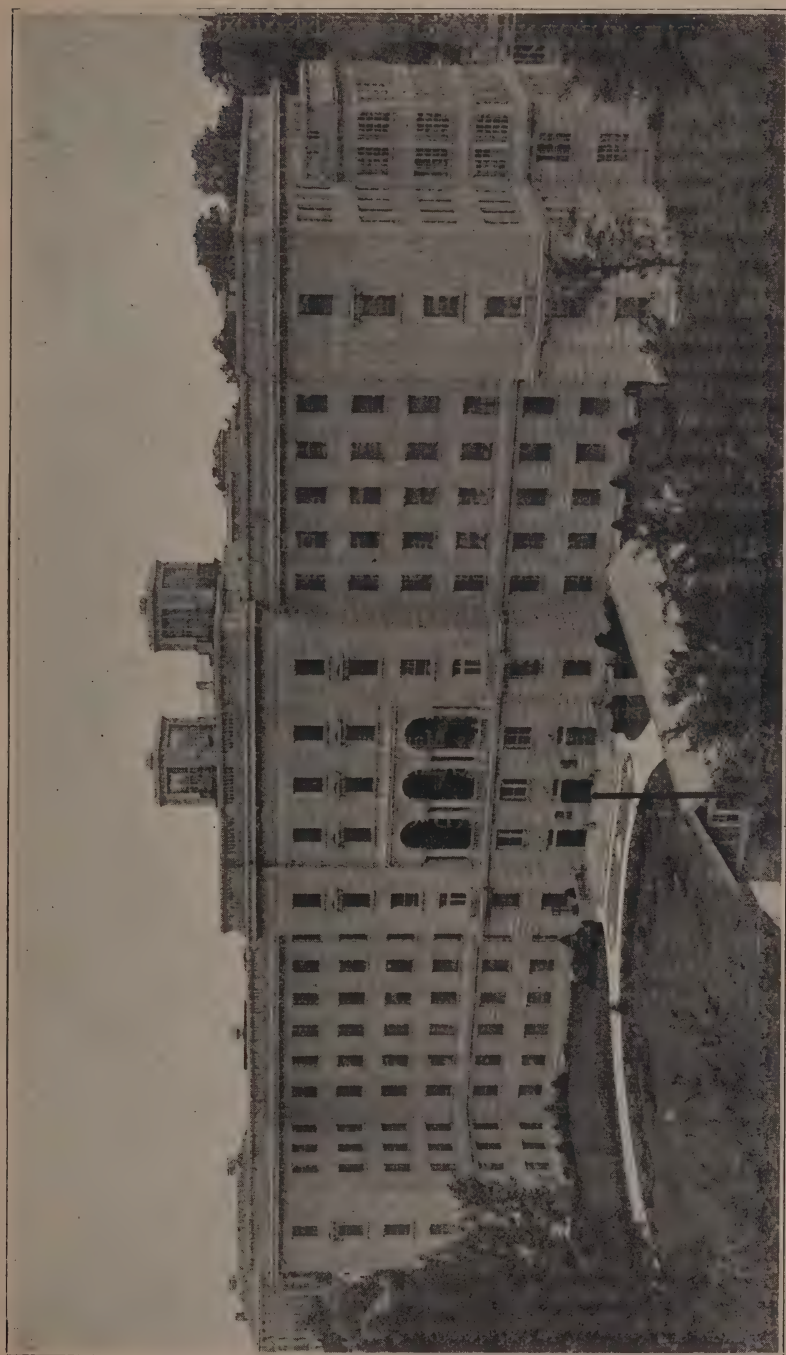
Issued monthly by the University of Wisconsin, at Madison, Wisconsin.

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at Madison, Wis., under the Act of August 24, 1912.



ARTHUR HADDOCK - STAFF ARCHITECT

SERVICE MEMORIAL INSTITUTE BUILDING



WISCONSIN GENERAL HOSPITAL

THE REGENTS OF THE UNIVERSITY

| | Term expires |
|---|-----------------|
| State-at-Large—ADOLF GUNDERSEN, La Crosse..... | 1931 |
| State-at-Large—MISS ZONA GALE, Portage..... | 1929 |
| State-at-Large—FRED E. BACHMAN, Appleton..... | 1930 |
| State-at-Large—JOHN C. SCHMIDTMANN, Manitowoc..... | 1932 |
| First District—VICTOR P. RICHARDSON, Janesville..... | 1931 |
| Second District—DANIEL H. GRADY, Portage..... | 1930 |
| Third District—MICHAEL B. OLBRICH, Madison..... | 1931 |
| Fourth District—MISS LEOLA M. HIRSCHMAN, Milwaukee..... | 1928 |
| Fifth District—ROBERT WILD, Milwaukee..... | 1933 |
| Sixth District—MISS ELIZABETH A. WATERS, Fond du Lac..... | 1933 |
| Seventh District—MRS. CLARA T. RUNGE, Baraboo..... | 1932 |
| Eighth District—FRANKLIN A. NACE, Iola..... | 1928 |
| Ninth District—JOHN E. CASHMAN, Denmark..... | 1930 |
| Tenth District—BEN F. FAAST, Eau Claire..... | 1932 |
| Eleventh District—GEORGE A. NELSON, Milltown..... | 1929 |

Ex-Officio—GLENN FRANK, President of the University

Ex-Officio—JOHN CALLAHAN, State Superintendent of Public Instruction

OFFICERS OF THE REGENTS

DANIEL H. GRADY, President

BEN F. FAAST, Vice President

SOLOMON LEVITAN, State Treasurer, *ex-officio* Treasurer

JAMES D. PHILLIPS, Business Manager

MAURICE E. McCAFFREY, Secretary

THE BOARD OF VISITORS

Appointed by the Regents

| | Term expires |
|---|-----------------|
| GEORGE P. HAMBRECHT, Madison..... | 1927 |
| LOYAL DURAND, Milwaukee..... | 1928 |
| HARRY W. KIRCHER, Sheboygan..... | 1929 |
| MRS. CHARLES R. CARPENTER, Madison..... | 1930 |

Appointed by the Alumni

| | |
|----------------------------------|------|
| ISRAEL SHRIMSKI, Chicago..... | 1927 |
| B. E. MCCORMICK, Madison..... | 1928 |
| MRS. LUCY M. BERRY, Chicago..... | 1929 |
| WILLIAM J. MEUER, Madison..... | 1930 |

Appointed by the Governor

| | |
|---|------|
| MRS. GEORGE CASSELS, Port Washington..... | 1927 |
| MRS. JULIA A. SCHNETZ, Racine..... | 1928 |
| CARL J. HESGARD, Orfordville..... | 1929 |
| W. C. SULLIVAN, Kaukauna..... | 1930 |

ACADEMIC YEAR 1927-28

| | | |
|--------------------|---|--|
| Sept. 15, 16..... | Thursday, Friday..... | Examinations for admission. |
| Sept. 16, 17..... | Friday, Saturday (noon)... | Early registration days. |
| Sept. 19, 20..... | Monday, Tuesday | Registration days. |
| Sept. 21..... | Wednesday | Instruction begins. |
| Nov. 24..... | Thursday | Thanksgiving Day; legal holiday (one day only). |
| Dec. 21-Jan. 5.... | Wednesday (noon)- Thursday (8 a.m.)..... | Christmas recess. |

Jan. 23-Feb. 1....Monday-WednesdayFinal examinations.

| | | |
|-----------------|-------------------------|---------------------------------------|
| Feb. 2, 3..... | Thursday, Friday | Registration days for new students. |
| Feb. 6..... | Monday | Instruction begins. |
| Feb. 22..... | Wednesday..... | Washington's Birthday; legal holiday. |
| April 4-10..... | Wednesday-Tuesday incl. | Spring recess. |
| May 30..... | Wednesday | Memorial Day; legal holiday. |
| June 4-12..... | Monday-Tuesday | Final examinations. |
| June 15-18..... | Friday-Monday | Commencement exercises. |

| | |
|----------------------------|---|
| June 23.....Saturday | Registration day, University at large. |
| June 25.....Monday | Instruction begins, University at large. |
| July 4.....Wednesday | Independence Day; legal holiday. |
| August 3.....Friday..... | Final examinations, University at large; six-week session closes. |

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INFORMATION

For information in regard to the medical course communicate with:

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University of Wisconsin,
412 North Charter Street,
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For information in regard to the premedical course communicate with:

Dr. W. J. Meek, Assistant Dean of the Medical School,
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University of Wisconsin,
Madison, Wisconsin.

FACULTY

GLENN FRANK, LL.D., President of the University, *Ex-Officio*.

CHARLES RUSSELL BARDEEN, M.D., Dean.

WALTER JOSEPH MEEK, Ph.D., Assistant Dean.

ACADEMIC STAFF

CHARLES RUSSELL BARDEEN, Professor of Anatomy and Dean of the Medical School.

B.A., Harvard, 1893; M.D., Johns Hopkins, 1897. Assistant in Anatomy, Johns Hopkins, 1897-99; Associate 1899-01; Associate Professor 1901-04. Professor of Anatomy, Wisconsin, 1904; Dean of Medical School, 1907-. Honorary member of the Radiological Society of North America; Member of Association of Anatomists and of the Society of Experimental Biology; President, Association of American Medical Colleges, 1916; President State Medical Society, 1920.

THEODORE HIERONYMUS BAST, Associate Professor of Anatomy.

A.B., Ripon College, 1912; Ph.D., University of Chicago, 1922; Fellow in Anatomy, University of Chicago, 1918-19; Instructor, Rush Medical College, 1919-20; Member, Association of Anatomists; Assistant Professor, University of Wisconsin, 1920-25, Associate Professor, 1925-.

WILLIAM JEFFERSON BLECKWENN, Assistant Professor of Neuro-Psychiatry.

B.S., Wisconsin, 1917; M.D., Columbia, 1920; Intern, Bellevue Hospital, New York City; Instructor, Neuro-Psychiatry, 1922-25; Assistant Professor, 1925-. Associate Director, Wisconsin Psychiatric Institute, 1925-; Associate Neurologist, State of Wisconsin General Hospital, 1924-.

HAROLD CORNELIUS BRADLEY, Professor of Physiological Chemistry.

A.B., California, 1900; Ph.D., Yale, 1905; Instructor, Yale Medical School, 1905-06; Assistant Professor of Physiological Chemistry, University of Wisconsin, 1906-13; Associate Professor, 1913-18; Professor, 1918-. Major, Chemical Warfare Service, U. S. Army, 1917-18; Member of American Chemical Society, Physiological Society, Society Biological Chemistry.

ROBIN CARL BUERKI, Superintendent of Wisconsin General Hospital.

B.S., Wisconsin, 1915; M.D., Pennsylvania, 1917; Intern and Chief Resident, University of Pennsylvania Hospital, 1917-19. Lieutenant, Division of Head Surgery, U. S. Army, 1917-18. Vice President, Wisconsin Hospital Association. Acting Superintendent, Wisconsin General Hospital, 1923-24; Superintendent, 1924-.

CHARLES HENRY BUNTING, Professor of Pathology.

B.S., Wisconsin, 1896; M.D., Johns Hopkins, 1901; Fellow in Biology, Wisconsin, 1896-97; Assistant Demonstrator in Pathology, Pennsylvania, 1902-03; Assistant Instructor and Associate, Johns Hopkins, 1903-06; Pathologist to Bay View Hospital, Baltimore, 1904-06; Assistant Resident Pathologist, Johns Hopkins Hospital, 1903-06; Professor of Pathology and Bacteriology, University of Virginia, 1906-08; Pathologist to Virginia University Hospital, 1906-08; Professor of Pathology, Wisconsin, 1908-. Member, American Association of Pathologists and Bacteriologists, Association of American Physicians, Association of Anatomists, Society of Experimental Biology, Society of Experimental Pathology; Consulting Pathologist, Chemical Warfare Service, 1917-18; Pathologist to Wisconsin General Hospital.

ROBERT EMMETT BURNS, Assistant Professor of Orthopedic Surgery.

B.S., Wisconsin, 1917; M.D., Pennsylvania, 1919; Intern, St. Mary's Hospital, Madison, 1919-22; Hospital for Ruptured and Crippled Children, New York City, 1922-23; Mayo Clinic, 1922-23; Resident in Surgery, State of Wisconsin General Hospital, 1924-26; Instructor in Orthopedic Surgery, 1925; Assistant Professor of Orthopedic Surgery, 1926-; Assistant Orthopedic Surgeon, State of Wisconsin General Hospital, 1926-.

PAUL FRANKLIN CLARK, Professor of Bacteriology.

Ph.B., Brown University, 1904; A.M., Brown, 1905; Ph.D., Brown, 1909; Assistant in Biology and Bacteriology, Brown University, 1904-06; Assistant Bacteriologist, Rhode Island State Board of Health, 1906-07; Fellow, Assistant and Associate in Department of Pathology, Rockefeller Institute, 1909-14; Associate Professor of Bacteriology, Wisconsin, 1914-18; Professor of Bacteriology, 1918—. Member of Society of Bacteriologists, Society of Experimental Biology, Society of Experimental Pathology, Public Health Association; Consulting Bacteriologist, Chemical Warfare Service, 1917-18; Bacteriologist to Wisconsin General Hospital.

HOBART WILLIAM CROMWELL, Assistant Professor of Bacteriology.

A.B., Indiana State Normal, 1917; D.Sc., Johns Hopkins School of Hygiene, 1922; Instructor in Bacteriology, Wisconsin, 1922-25; Assistant Professor of Bacteriology, Wisconsin, 1925-.

PERCY MILLARD DAWSON, Associate Professor of Physiology.

A.B., Johns Hopkins, 1894; M.D., Johns Hopkins, 1898; Fellow, 1898-99; Assistant in Physiology, 1899-1900; Instructor, 1900-01; Associate 1901-04; Associate Professor, 1904-09; Member, Physiological Society; Instructor in Physiology, Wisconsin, 1913-16; Assistant Professor of Physiology, Wisconsin, 1916-25; Associate Professor, 1925-.

JAMES CLAUDE ELSOM, Associate Professor of Physical Education and Physio-Therapy.

M.D., Medical College of Virginia, 1886; Associate Professor of Physical Education, Wisconsin, 1894-; Department of Physio-Therapy, Walter Reed Hospital, 1917-18; Director, Physio-Therapy, U. S. A. General Hospital No. 3, Rahway, N. J. 1919; Physio-Therapist, Wisconsin General Hospital, 1920-.

JOSEPH SPRAGG EVANS, Professor of Medicine.

B.A., Haverford, 1895; M.D., Pennsylvania, 1899; Intern, Germantown Hospital, 1899-1900; University Hospital, 1900-01; University of Vienna, 1901-02; Pasteur Institute, 1902; Instructor Clinical Medicine, University of Pennsylvania, 1902-10; Professor of Clinical Medicine, Wisconsin, 1910-24; Professor of Medicine, Wisconsin, 1924-. Chairman, Medical Section, Wisconsin Council of Medical Defense, 1918; Fellow, American College of Physicians; Fellow, College of Physicians, Philadelphia. Physician, State of Wisconsin General Hospital, 1924-.

JOHN AUGUSTINE ENGLISH EYSTER, Professor of Physiology.

B.Sc., University of Maryland, 1899; M.D., Johns Hopkins University, 1905; Fellow, Assistant, Instructor and Associate in Physiology, Johns Hopkins University, 1906-09; Professor of Pharmacology, University of Virginia, 1910-11; Professor of Physiology, University of Wisconsin, 1911-. Major, Chemical Warfare Service, 1917-18. Lt. Colonel, O.R.C., M.C. Member of the American Physiological Society, American Pharmacological Society, Society of Experimental Biology and Medicine; Fellow, American College of Physicians; Association of American Physicians.

JOSEPH WASSON GALE, Assistant Professor of Surgery.

A.B., University of Missouri, 1921; M.A., Missouri, 1922; M.D., Washington University Medical School, 1924. Intern, Barnes Hospital, 1924-25; Assistant Resident, 1925-26; Resident Surgeon, 1926-27. Assistant Professor of Surgery, Wisconsin, 1927-. Assistant Surgeon, State of Wisconsin General Hospital.

FREDERICK DENKMAR GEIST, Assistant Professor of Anatomy.

M.D., Tufts College Medical School, 1920; Member American Association of Anatomists; Instructor in Anatomy, Wisconsin, 1920-25; Assistant Professor of Anatomy, 1925-.

JOHN EUGENE GONCE, JR., Assistant Professor of Pediatrics.

A.B., University of Delaware, 1913; M.D., University of Pennsylvania, 1918; Intern, University Hospital, Philadelphia, 1918; Graduate Student in Pediatrics, Children's Hospital, Philadelphia, 1922-23, and John Hopkins Hospital, Harriet Lane Home, 1923; Instructor of Clinical Medicine, 1919-25; Associate in Pediatrics, 1925-26; Assistant Professor of Pediatrics, 1926; Associate Pediatrician, State of Wisconsin General Hospital, 1925-.

CHAUNCEY DEFEW LEAKE, Associate Professor of Pharmacology.

Litt.B., Princeton, 1917; M.S., Wisconsin, 1920; Ph.D., Wisconsin, 1923; Chemical Warfare Service, 1917-18; Member, Pharmacological Society, American Physiological Society, History of Science Society. Instructor in Physiology, Wisconsin, 1921-23; Assistant Professor of Pharmacology, Wisconsin, 1923-25; Associate Professor of Pharmacology, 1925-.

ARTHUR SOLOMAN LOEVENHART, Professor of Pharmacology and Toxicology.

B.S., Kentucky State University, 1898; M.S., Kentucky, 1899; M.D., Johns Hopkins, 1903; Assistant in Pharmacology, Johns Hopkins, 1903-04; Associate, 1904-06; Assistant Professor, 1906-08; Professor of Pharmacology and Toxicology, University of Wisconsin, 1908-. Chemical Warfare Service, 1917-1918; Consultant, Chemical Warfare Service, 1920-. Member American Chemical Society, Society Biological Chemists, Society Experimental Biology, Physiological Society, Pharmacological Society (President 1919-20).

WILLIAM FREDERICK LORENZ, Professor of Neuro-Psychiatry.

M.D., Bellevue Hospital College, 1903; Intern, St. Vincent's Hospital, New York, 1902-03, St. John's Hospital, 1904-05; Senior Physician, Manhattan State Hospital, N. Y., 1906-10; Clinical Director, Wisconsin State Hospital, 1910-13; Special Expert, United States Public Health Service, Pellagra Commission, 1913-14; Director, Wisconsin Psychiatric Institute, 1915. Major, Medical Corps, U. S. Army, A.E.F., 1917-19. Cited D.S.M. Lt. Col., Wis. N. G. and U. S. Med. R., 1925-. Medical Councilor, U. S. Veterans' Bureau, 1923-. President, Wisconsin State Board of Control, 1924-25. Associate Professor of Neuro-Psychiatry, Wisconsin, 1915-20; Professor, 1920-. President, Medical Staff, St. Mary's Hospital, Madison. Member, National Rehabilitation Committee, Advisory Council, American Legion, 1922-. Member, American Psychiatric Association, Central Psychiatric Association. Neuro-Psychiatrist, State of Wisconsin General Hospital, 1924-.

WALTER JOSEPH MEEK, Professor of Physiology and Assistant Dean of the Medical School.

B.A., Kansas, 1902; Ph.D., Chicago, 1909. Instructor in Physiology, Wisconsin, 1908-10; Assistant Professor, 1910-13; Associate Professor, 1913-18; Professor, 1918-. Assistant Dean, 1920-. Major, Chemical Warfare Service, 1917-18. Associate Editor, Physiological Reviews. Secretary, American Physiological Society.

WILLIAM SHAINLINE MIDDLETON, Associate Professor of Medicine.

M.D., University of Pennsylvania, 1911; Intern, Philadelphia General Hospital and Babies' Hospital, Philadelphia, 1911-12; Instructor in Clinical Medicine, Wisconsin, 1912-15; Assistant Professor, Wisconsin, 1915-23; Associate Professor, 1923-24; Associate Professor of Medicine, 1925-. Captain, M.O.R.C., 1917-19. Member, American Society for Clinical Investigation. Consultant in Tuberculosis, U. S. Veterans' Bureau. Associate Physician, State of Wisconsin General Hospital, 1924-.

WILLIAM SNOW MILLER, Emeritus Professor of Anatomy.

M.D., Yale, 1879; Sc.D., (Hon.), University of Cincinnati, 1920; Sc.D., (Hon.), Wisconsin, 1926; Scholar and Fellow, Clark University, 1889-92; Fellow, Johns Hopkins, 1905-06; Special Lecturer, Mt. Holyoke College, 1889; Pathologist, Worcester City Hospital and the Memorial Hospital, Worcester, Massachusetts, 1889-92; Instructor, Vertebrate Anatomy, Wisconsin, 1892-95; Assistant Professor of Anatomy, 1895-04; Associate Professor, 1904-16; Professor, 1916-24; Emeritus Professor, 1924-; Lecturer in Medicine, Johns Hopkins Medical School, 1918-19; Lecturer in School of Tuberculosis, U. S. Veterans' Hospital No. 41, New Haven, Connecticut, 1923-24, and at No. 98, Beacon, New York, 1925. Member, Association Anatomists (Vice-President, 1909), National Tuberculosis Association, American Association for the Advancement of Science, Société Internationale d'Histoire de la Médecine, Deutschen Gesellschaft für Geschichte der Medizin und der Naturwissenschaften, Harvey Society, New York; Honorary member, Wisconsin State Medical Society, Society of Medical History of Chicago. Special investigator, National Tuberculosis Association, 1920-.

SARAH ISABELLE MORRIS, Associate Professor of Clinical Medicine.

M.D., Women's Medical College of Pennsylvania, 1910; Intern, Philadelphia Hospital, 1910-11; Medical Adviser to Women, Wisconsin, 1911-13; Instructor Clinical Medicine, Wisconsin, 1913-15; Assistant Professor of Clinical Medicine, Wisconsin, 1915-26; Associate Professor, 1926-; Associate Physician, Student Health Service.

HARLAND WINFIELD MOSSMAN, Assistant Professor of Anatomy.

B.S., Allegheny, 1920; M.S., Wisconsin, 1922; Ph.D., Wisconsin, 1924. Laboratory Assistant, Allegheny, 1919-20; Assistant in Zoology, Wisconsin, 1920-24; Instructor in Anatomy, Wisconsin, 1924-27; Assistant Professor, 1927-.

WILLIAM ATWOOD MOWRY, Physician-In-Chief, Student Health Service.

M.D., Northwestern, 1910; Intern, St. Luke's Hospital, Chicago, 1910-11. Physician, French Lick Springs Hotel, 1911-20; Medical Director, Monitor Stove Company, Cincinnati, 1920-22; Assistant Professor of Clinical Medicine, Wisconsin, 1923; Chief of the Student Health Service, 1924-.

CLARENCE WEINERT MUEHLBERGER, Assistant Professor of Toxicology.

B.S., Armour Institute of Technology, 1920; M.S., Wisconsin, 1922; Ph.D., Wisconsin, 1923; State Toxicologist. Member, American Chemical Society, American Electro-chemical Society. Assistant Professor of Toxicology, 1925-.

MERLE STARR NICHOLS, Assistant Professor of Sanitary Chemistry.

B.S., Wisconsin, 1916; M.S., Wisconsin, 1918; Ph.D., Wisconsin, 1926. Assistant Professor of Sanitary Chemistry, 1926-. Chemist and Assistant Bacteriologist, State Laboratory of Hygiene, 1926-.

ERNST ALBERT POHLE, Professor of Radiology.

M.D., University of Frankfurt am Main, 1920. Assistant, Physiological Institute, University of Frankfurt, 1919-20; Resident, Department of Internal Medicine, City Hospital, Wiesbaden, 1920-21; Assistant in Institute for Radiation Research, University of Frankfurt, 1921-23; Roentgenologist, Mount Sinai Hospital, Cleveland, Ohio, 1923-25; Assistant Professor of Roentgenology, University of Michigan, 1925-27; Associate Professor of Roentgenology, 1927-28; Professor of Radiology, Wisconsin, 1927-. Member, German Society Internal Medicine. Radiologist, State of Wisconsin General Hospital, 1927-.

KARVER LOUIS PUESTOW, Physician, Out-Patient Department.

B.S., Wisconsin, 1919; B.M., Minnesota, 1921; M.D., Minnesota, 1922; Instructor in Clinical Medicine, Wisconsin, 1922-23; 1924-25; Physician, Out-Patient Department, Wisconsin General Hospital, 1925-.

HANS REESE, Assistant Professor of Neuro-Psychiatry.

M.D., University of Kiel, Germany, 1918; First Assistant and Resident of the Navy Hospital at Kiel, Department of Dermatology and Syphilology, 1917-18; Co-assistant in Pathology, University of Hamburg, 1918-19; Assistant of the Neurological Clinic, 1919-22; Assistant of the Department of Internal Medicine, 1922-23; Senior Assistant of the Research Department, Wisconsin Psychiatric Institute, 1924; Assistant Professor of Neuro-Psychiatry, 1925; Associate Neuro-Psychiatrist, Wisconsin General Hospital, 1924-.

ERWIN RUDOLPH SCHMIDT, Professor of Surgery.

A.B., Wisconsin, 1913; M.D., Washington, 1916; Intern, Barnes Hospital, 1916-17; Intern, Augustana Hospital, 1917; First Lieutenant, M. R. C. 1917-18; Captain, M. C., U. S. A., 1918-19; Commanding officer, U. S. A. Base Hospital No. 11, January 1919-May 1919; Intern, Augustana Hospital, 1919; Chief Assistant, 1920-21; Exchange Assistant, Maria Hospital, Stockholm, Sweden, 1921-22; Exchange Assistant, Städtische Krankenhaus, Frankfurt am Main, Germany, 1922-23; Assistant attending surgeon, St. Vincent's Hospital, 1923-25; Junior attending surgeon, Augustana Hospital, 1922-25; Professor of Surgery, Wisconsin, 1926-; Member, American College of Surgeons; Surgeon, State of Wisconsin General Hospital, 1926-.

ELMER L. SEVRINGHAUS, Associate Professor of Medicine.

B.A., Wisconsin, 1916; M.A., Wisconsin, 1918; M.D., Harvard, 1921; Assistant in Chemistry, Wisconsin, 1916; Assistant in Physiological Chemistry, Wisconsin, 1917-19; Assistant Professor of Physiological Chemistry, 1921-25; Associate Professor of Physiological Chemistry, Wisconsin, 1925-27; Associate Professor of Medicine, 1927-. Member, Society Biological Chemists. Chemist, State of Wisconsin General Hospital.

WILLIAM DAVIDSON STOVALL, Professor of Hygiene.

B.S., Mississippi, 1906; M.D., Tulane, 1911; Intern, St. Vincent's Hospital, Birmingham, 1911-12; Graduate student Tulane and U. S. Marine Hospital, 1913-14; Bacteriologist, State Laboratory of Hygiene, 1914-15. Associate Professor of Hygiene, Wisconsin, 1915-25. Professor of Hygiene, Wisconsin, 1925-. Director, State Laboratory of Hygiene, 1915-. Member, Society Bacteriologists, American Medical Association, American Public Health Association, American Society of Clinical Pathologists. Clinical Pathologist, State of Wisconsin General Hospital, 1924-.

WALTER EDWARD SULLIVAN, Professor of Anatomy.

A.B., Bates College, 1907; A.M., Brown University, 1909; Ph.D., 1912; Instructor in Biology, Western Reserve University, 1911; Assistant Professor, Marquette University, 1913-15; Professor, Tufts College, 1915-20; Assistant Professor of Anatomy, Wisconsin, 1920-24; Associate Professor, 1924-25; Professor, 1925-. Member, Association of Anatomists.

ROBERT VAN VALZAH, Professor of Clinical Medicine.

A.B., Princeton, 1904; M.D., Pennsylvania, 1908; Intern, Children's Hospital, Atlantic City, 1907-08; St. Christopher's, Philadelphia, 1908-09; Resident, University of Pennsylvania Hospital, 1908-10; Instructor Clinical Medicine, Wisconsin, 1910-11; Assistant Professor, 1911-13; Associate Professor, 1913-18; Professor, 1918-; Physician, S. A. T. C., 1917-18; Chief of Student Health Service, Wisconsin, 1918-24; Associate Physician, State of Wisconsin General Hospital, 1924-.

RALPH MILTON WATERS, Assistant Professor of Surgery in charge of Anesthesia.

A.B., Adelbert College, 1907; M.D., Western Reserve, 1912. Intern, German Hospital, Cleveland, 1910-12. General practice, 1913-16; practice limited to Anesthesia, 1916-. Post-graduate work, block anesthesia, Mayo Clinic, 1926. Member, Mid-Western Association of Anesthetists (President, 1921; Secretary, 1925-26). Assistant Professor of Anesthesia, Wisconsin, 1927-; Anesthetist, Wisconsin General Hospital, 1927-.

EDGAR J. WITZEMANN, Assistant Professor of Physiological Chemistry.

A.B., James Millikin University, 1907; A.M., Ohio State University, 1909; Ph.D., Ohio State University, 1912. Student Assistant in Chemistry, Millikin, 1905-07; Fellow in Chemistry, Ohio State University, 1907-09; Instructor in Chemistry, 1909-12. Chemical work in Laboratory for Clinical Research of Rush Medical College, Otho S. A. Sprague Memorial Institute, 1912-25. Research Chemist, Chemical Warfare Service, 1918. First Assistant, Section on Biochemistry, Mayo Clinic, 1925-27. Assistant Professor of Physiological Chemistry, Wisconsin, 1927-. Member, American Chemical Society, American Society of Biological Chemists, Deutsche Chemische Gesellschaft, Illinois Academy of Science.

CLINICAL STAFF

RAY CARRINGTON BLANKINSHIP, Associate Professor of Clinical Medicine.

M.D., Medical College of Virginia, 1914; Intern, Kings County Hospital, 1914-15; Instructor in Clinical Medicine, 1919-21; Assistant Professor, 1922-25; Associate Professor, 1925-. Member of the American College of Physicians. Associate Physician, Wisconsin General Hospital, 1924-.

RICHARD LESLIE BOWER, Associate Professor of Otolaryngology.

D.D.S., Northwestern, 1915; M.D., Northwestern, 1920; Intern, Michael Reese, 1919-20; Resident, Cook County Hospital, 1920-21, 1923-24; Herman Knapp Memorial Hospital, New York, 1922-23; Graduate work, Harvard, 1925; Certificate of American Board of Otolaryngology; Junior Fellow of American College of Surgeons. Associate in Otolaryngology, 1925-26; Assistant Professor of Otolaryngology, 1926-; Associate Otolaryngologist, Wisconsin General Hospital, 1924-.

GEORGE VAN INGEN BROWN, Professor of Plastic Surgery.

D.D.S., Pennsylvania College Dental Surgery, Philadelphia, 1881; M.D., Milwaukee Medical College, 1895; M.D., Marquette, 1909; Dean of Dental Department, Milwaukee Medical College, 1898-1902; Special Lecturer on Oral Surgery, University of Illinois, 1902-03; University of Iowa, 1903-04; University of Tennessee, 1904; Vanderbilt University, 1905; Professor Oral Surgery and Oral Pathology, State University of Iowa, 1904-10. In charge, Section of Plastic and Oral Surgery in the office of the Surgeon General during the World War. Organized School of Plastic and Oral Surgery at Fort Oglethorpe, Ga., by direction of Surgeon General, 1918. In charge of Plastic and Oral Surgical reconstruction work for returned soldiers at U. S. General Hospital, No. 11, Cape May, New Jersey; Chief of the Maxillo-Faciale Service, Walter Reed Hospital, Washington, D. C. President, Tri-State Medical Society, 1920-21; Speaker, Inter-State Post-Graduate Medical Assembly of North America, 1920-; Member, American College of Surgeons. Professor of Plastic Surgery, 1925-; Plastic Surgeon, Wisconsin General Hospital, 1920-.

FREDERICK ALLISON DAVIS, Professor of Ophthalmology.

M.D., Pennsylvania, 1909; Intern, University of Pennsylvania Hospital, 1909-11; Resident, New York Eye and Ear Infirmary, 1911-14; Graduate Study, Vienna, 1914 and 1925; Harvard, 1921; Pennsylvania, 1922; Captain, Medical Reserve Corps, 1918; Member Chicago Ophthalmological Society. Professor of Ophthalmology, Wisconsin 1925-. Ophthalmologist, Wisconsin General Hospital, 1920-.

OTTO HOTTINGER FOERSTER, Professor of Dermatology.

M.D., Pennsylvania, 1898; Intern, Howard Hospital, Philadelphia, 1899; Graduate work, University of Vienna, 1900-01; University of Pennsylvania, 1901-02; Polyclinic Hospital, Philadelphia, 1903-05; Berlin, Germany, 1913. Member, American Dermatological Association and the American Roentgen-Ray Society. Professor of Dermatology, University of Wisconsin, 1925-; Dermatologist, Wisconsin General Hospital, 1920-.

FREDERICK JULIUS GAENSLEN, Professor of Orthopedic Surgery.

B.Sc., Wisconsin, 1899; M.D., Johns Hopkins, 1903; Assistant Professor of Orthopedic Surgery, Marquette, 1917-18; Director and Associate Professor, Department of Orthopedic Surgery, Marquette, 1918-20; Orthopedic Surgeon, Milwaukee Children's Hospital. Member, American Orthopedic Association and American College of Surgeons. War Advisory Committee. Chairman, Section of Orthopedic Surgery, American Medical Association 1925. Professor of Orthopedic Surgery, 1925-; Orthopedic Surgeon, Wisconsin General Hospital, 1920-.

CARL SAMUEL HARPER, Assistant Professor of Obstetrics and Gynecology.

B.S., Wisconsin, 1914; M.D., Pennsylvania, 1916; Intern, St. Christopher's Hospital for Children, Philadelphia, 1916; Intern, The Brooklyn Hospital, Brooklyn, New York, 1916-18. Resident in Obstetrics and Gynecology, Brooklyn Hospital, 1920-21. Obstetrician and Gynecologist, Methodist Hospital, Madison, 1921-. Associate in Obstetrics and Gynecology, University of Wisconsin, 1925-26; Assistant Professor, 1926-; Associate in Obstetrics and Gynecology, Wisconsin General Hospital, 1924-.

ROSCOE LYLE MCINTOSH, Assistant Professor of Dermatology.

B.S., Wisconsin, 1919; M.D., Washington University, 1921; Intern, Wisconsin General Hospital, 1921; Graduate student, Barnard Skin and Cancer Hospital, St. Louis, 1921-23; Diploma in Dermatology, London School of Dermatology, 1924; Associate in Dermatology, 1925-26; Assistant Professor of Dermatology, 1926-; Associate Dermatologist, Wisconsin General Hospital, 1924-.

EZRA EUGENE NEFF, Associate Professor of Ophthalmology.

B.A., Emory and Henry, 1910; M.D., Virginia, 1916. Intern, University of Virginia Hospital, 1916-17. Captain Medical Corps, U. S. Army, 1917-19. House Staff, New York Eye and Ear Infirmary, 1919-21. Graduate Study, Vienna, 1926. Associate in Ophthalmology, 1925-26; Assistant Professor in Ophthalmology, 1926-; Associate Ophthalmologist, Wisconsin General Hospital, 1924-.

WELLWOOD MACK NESBIT, Associate Professor of Otolaryngology.

M.D., Rush, 1917; Intern, Presbyterian Hospital, 1917-18; Barnes Hospital, St. Louis, 1918-19; 1st Lieutenant, United States Army, 1919-20; Nose and Throat Service, Washington University, 1920-23; Associate in Rhinology and Laryngology, 1925-26; Assistant Professor in Laryngology, 1926-; Associate Laryngologist, Wisconsin General Hospital, 1924-27; Otolaryngologist, 1927-.

EDWIN FRANCIS SCHNEIDERS, Assistant Professor of Obstetrics and Gynecology.

B.S., Wisconsin, 1919; M.D., Harvard, 1921; Intern, Boston City Hospital, 1921-22; Instructor, Clinical Medicine, Wisconsin, 1922-23; Associate in Obstetrics and Gynecology, 1925-26; Assistant Professor in Obstetrics and Gynecology, 1926-; Associate Obstetrician and Gynecologist, Wisconsin General Hospital, 1924-.

HERMAN CHARLES SCHUMM, Associate Professor of Orthopedic Surgery.

B.S., Pennsylvania, 1911; M.D., Pennsylvania, 1914; Intern, Augustana Hospital, Chicago, 1914-17; Captain Medical Corps, U. S. Army, A. E. F., 1918-19. Orthopedic Surgeon, Milwaukee Children's Hospital and Milwaukee County Hospital. Fellow, American College of Surgeons. Associate Professor of Orthopedic Surgery, Wisconsin, 1927-; Assistant Orthopedic Surgeon, Wisconsin General Hospital, 1927-.

IRA ROSCOE SISK, Associate Professor of Urology.

M.D., Vanderbilt, 1916; Intern, Madison General Hospital, 1916-17; Fellow in Urology, Mayo Clinic, 1919-21; Member of American Urological Association. Associate in Urology, 1925-26; Assistant Professor in Urology, 1926-; Associate Urologist, Wisconsin General Hospital, 1924-26; Urologist, 1926-.

HORACE KENT TENNEY, JR., Assistant Professor of Pediatrics.

M.D., Northwestern, 1919; Intern, Evanston Hospital, 1919-20; Post-graduate work in Pediatrics, Michael Reese Hospital and Children's Memorial Hospital, Chicago; Instructor, Clinical Medicine, Wisconsin, 1920-25; Associate in Pediatrics, 1925-26; Assistant Professor in Pediatrics, 1926-. Associate Pediatrician, Wisconsin General Hospital, 1925-.

ASSOCIATE STAFF

DAMON ALONZO BROWN, Clinical Associate in Medicine.

B.S., Wisconsin, 1913; M.D., Washington University, 1915; Intern, St. Luke's Hospital, St. Louis, 1915-16; Student, Externe Mulanthy Hospital, St. Louis; Instructor Clinical Medicine, 1922-25; Clinical Associate in Medicine, 1925-; Urologist, Methodist Hospital.

HOMER McCLELLAND CARTER, Clinical Associate in Pediatrics.

B.A., Beloit College, 1909; M.A., Wisconsin, 1913; M.D., Rush, 1915; Intern, Children's Memorial Hospital, Chicago, 1915; Adult Internship, Cincinnati General Hospital, 1916; Pediatrician, Wisconsin General Hospital. 32nd Division, 21 months, Captain, Field Hospital. Member Central States Pediatric Society. Clinical Associate in Medicine, 1921-25; Clinical Associate in Pediatrics, 1925; Pediatrician, St. Mary's Hospital, Madison; Obstetrician, Madison General Hospital and St. Mary's Hospital.

CARL HENRY DAVIS, Consultant in Obstetrics

B.A., Oregon, 1905; B.Sc., Chicago, 1906; M.D., Rush, 1909, Lecturer on Obstetrics and Gynecology, Extension Division, University of Wisconsin; Obstetrician and Gynecologist, Columbia and Milwaukee County Hospitals. Major, M.O.T.C. Member of the American Gynecological Society and of the American College of Surgeons. Secretary, Section on Obstetrics, Gynecology and Abdominal Surgery, American Medical Association. Consultant in Obstetrics, 1924-.

JAMAS P. DEAN, Clinical Associate in Surgery.

B.S., Wisconsin, 1911; M.D., University of Pennsylvania, 1913; Intern, St. Mary's Hospital, Madison, Wis., 6 Mos.; New York City Hospital, 1913-15; Clinical Associate, 1921-. Captain, Field Hospital, 127. Member of American College of Surgeons. Surgeon, St. Mary's Hospital, Madison.

JOSEPH DEAN, Clinical Professor of Surgery.

M.D., Illinois, 1902; Intern, Cook County Hospital, 1902-04. Member of the American College of Surgeons, Member of the Wisconsin State Board of Health. Lecturer on Surgery, 1915-25; Clinical Professor of Surgery, 1925-. Surgeon, St. Mary's Hospital.

HARRY ROBERT FOERSTER, Associate in in Dermatology.

B.S., Wisconsin, 1912; M.D., Pennsylvania, 1914. Intern, Pennsylvania Hospital, 1914-16; Philadelphia Lying-In Charity Hospital, 1916. Lieutenant and Captain, Army Medical Corps, American Expeditionary Force, France, U. S. Base Hospital 22, 1917-19. Post-graduate work, Vanderbilt Clinic of Columbia University Medical School, New York; Post-graduate Assistant in Dermatology and Syphilology, 1916-19. Practice in Dermatology, Syphilology, Roentgen and Radium Therapy, New York, 1919; Milwaukee, 1920-. Member, American Dermatological Association, Chicago Dermatological Society, and Radiological Society of North America. In charge of Dermatology and Syphilis, Milwaukee County Hospital; in charge of Dermatology and Syphilis, Milwaukee County Dispensary; Dermatologist to Milwaukee Children's and Columbia Hospitals. Associate Clinical Professor of Dermatology, Marquette University. Associate in Dermatology, 1926-.

HUGH PAYNE GREELEY, Clinical Professor of Medicine.

A.B., Harvard, 1906; M.D., Harvard, 1909. Intern, Massachusetts General Hospital, 1909-10; Bellevue Hospital, 1910; Special Study, Vienna, 1913; Physician to Outpatients, Massachusetts General Hospital, 1914-15; Staff Physician, Madison General Hospital and St. Mary's Hospital, Madison. Lecturer, Wisconsin, 1917-25; Clinical Professor of Medicine, 1925-. Associate Physician, Wisconsin General Hospital, 1924-.

MORTON KAY GREEN, Clinical Associate in Neuro-Psychiatry.

M.D., Rush, 1901. Post-graduate work, Manhattan State Hospital, 1911. Assistant Physician, Wisconsin State Hospital for the Insane, 1901-07; Assistant Superintendent, 1907-21; Chief of Staff, Wisconsin Psychiatric Institute, 1921-24; Superintendent, Wisconsin State Hospital for the Insane, 1924-. Clinical Associate in Neuro-psychiatry, University of Wisconsin, 1927-.

CORNELIUS A. HARPER, Lecturer in Hygiene.

B.S., Wisconsin, 1889; M.D., George Washington University Medical School, 1893. Secretary, State Board of Health. Lecturer on Hygiene, 1925-.

FRED JENNER HODGES, Lecturer in Radiology.

B.S., Wisconsin, 1917; M.D., Washington, 1919; Resident Pathologist, Barnes City Hospital, 1919-20. Instructor in Psychiatry, Wisconsin, January to July, 1921; Instructor in Physiology, 1921-24; Roentgenologist, Wisconsin Memorial Hospital, 1924-; Roentgenologist, St. Mary's Hospital, 1924-; Clinical Instructor in Radiology, Wisconsin, 1925-26; Lecturer in Radiology, 1926-.

JAMES ALBERT JACKSON, Clinical Associate in Surgery.

M.D., Columbia, 1910; Intern, Bellevue Hospital, 1910-11. Clinical Associate, Wisconsin, 1921-; Surgeon, Madison Methodist Hospital.

REGINALD HENRY JACKSON, Clinical Professor of Surgery.

M.D., Columbia University, 1899; Presbyterian Hospital, 1899-1901. Member of Western Surgical Association and of the American College of Surgeons. Lecturer on Surgery, 1915-25; Clinical Professor of Surgery, 1925-. Surgeon and Chief of Staff, Madison Methodist Hospital.

KARL KASSOWITZ, Lecturer in Pediatrics.

M.D., University of Vienna; Assistant, University Children's Clinic, Vienna, 1912-22; Medical Director, Muirdale Sanitarium, Wauwatosa. Lecturer in Pediatrics, 1926-.

ALFRED L. KASTNER, Associate Pediatrician.

M.D., Wisconsin College of Physicians and Surgeons, 1902. Intern, St. Joseph's Hospital, Milwaukee, 1901; Milwaukee County Hospital, Assistant Surgeon, 1902; Home for Disabled Volunteer Soldiers, 1903-04. Clinical Professor of Pediatrics, Marquette University School of Medicine. Post-graduate work, New York Post Graduate College, Infant's Hospital, New York. General Practice, Milwaukee, 1904-16; specializing in Pediatrics, Milwaukee, 1926-. Member, Milwaukee Academy of Medicine, Central States Pediatric Society, Milwaukee Pediatric Society. Staff member, Milwaukee Children's Hospital, Milwaukee Hospital, Emergency Hospital. Consultant Staff, Milwaukee County Hospital.

HARRY MAXWELL KAY, Clinical Associate in Medicine.

M.D., Chicago College of Medicine and Surgery, 1908; Intern, Augustana Hospital, Chicago, 1908; Madison General, 1909; Physician, Madison General Hospital. Captain, Medical and Surgical Service, U. S. Army, 1917-18; Major Medical Reserve Corps. Clinical Associate, Wisconsin, 1922-. Obstetrician, Madison General Hospital.

GEORGE HIRAM ROBBINS, Assistant Clinical Professor of Medicine.

B.S., Wisconsin, 1913; M.D., Rush, 1915; Intern, Cook County Hospital, 1915-17. Instructor Clinical Medicine, Wisconsin, 1917-19; Assistant Professor, 1919-22; Lecturer 1922-25; Assistant Clinical Professor, 1925-. Physician, St. Mary's Hospital, Madison.

AUGUST SAUTHOFF, Clinical Associate in Neuro-psychiatry.

B.S., Wisconsin, 1898; M.D., Rush, 1905. General practice, Madison, 1905-07. Wisconsin State Hospital for the Insane, 1907-; Assistant Superintendent and Clinical Director, Wisconsin State Hospital for the Insane. Clinical Associate in Neuro-psychiatry, University of Wisconsin, 1927-.

MARY BLAKELIDGE SAUTHOFF, Clinical Associate in Neuro-psychiatry.

M.D., Northwestern, 1902; Intern, Woman's Hospital, Chicago, 1902-03. General practice, La Grange, Illinois, 1 year; St. Peter, Minnesota, 6 months. Wisconsin State Hospital, Mendota, 1910-; Senior Assistant Physician, female wards, Wisconsin State Hospital for the Insane, Mendota. Clinical Associate in Neuro-psychiatry, University of Wisconsin, 1927-.

JOE NEWTON SISK, Clinical Associate in Radiology.

B.Sc., Texas Christian University, 1921; M.D., Baylor University College of Medicine, 1921; Intern, Knights Templar Hospital, Arlington, Texas, 1920-21. Member of the Radiological Society of North America. Radiologist, St. Joseph's Infirmary, Fort Worth, 1921-22. Instructor in Roentgenology, 1925-. Radiologist, Methodist Hospital.

ARTHUR G. SULLIVAN, Clinical Associate in Surgery.

M.D., Columbia, 1909. Clinical Associate, Wisconsin, 1925-. Surgeon, Madison General Hospital.

EUGENE SHAW SULLIVAN, Clinical Associate in Surgery.

M.D., Columbia, 1918; Intern, St. Luke's Hospital, New York City, 1918-20; Kings County Hospital, Brooklyn, 1918. Clinical Instructor in Surgery, 1925-. Surgeon, Madison General Hospital.

ALBERT ROBERT TORMEY, Clinical Associate in Surgery.

B.A., Wisconsin, 1914; M.D., Washington University, 1917; Intern, Barnes Hospital, 1917-18; Lieutenant, United States Army Medical Corps, 1918-19; Intern, Augustana Hospital, 1919-20. Clinical Associate, 1921-. Surgeon, Madison General Hospital.

THOMAS WILLIAM TORMEY, Clinical Professor of Surgery.

B.S., Wisconsin 1899; M.D., Rush, 1902; Intern, St. Luke's Hospital, Chicago, 1902-04. Member of American College of Surgeons. Lecturer in Surgery, 1915-25; Clinical Professor of Surgery, 1925-. Surgeon, Madison General Hospital.

PRECEPTORSHIPS

During the year 1926-27, preceptorships of three months each were taken by fourth year students at the places and under the supervision of the preceptors named below.

ASHLAND

Ashland General Hospital

JOHN M. DODD, Preceptor in Charge.

M.D., Starling Medical College, 1889; D.Sc., Northland College, 1925. Post-graduate work, New York and other places at various times. Fellow, American College of Surgeons. Member, American Railway Surgical Association, Association of Military Surgeons, Soo and C.N.W. Railway Association. General practice, Ashland, 1891-1901; specialist in surgery, 1901-. Member, State Board of Medical Examiners, 1913-24 (Secretary, 1915-24); Councilor, State Medical Society. Member of Staff, Ashland General Hospital.

ASSOCIATE AND ASSISTANT PRECEPTORS

ADELLON DEVILLA ANDRUS.

M.D., Colorado, 1912. Intern, Wisconsin State Tuberculosis Sanatorium, 1916-17. U. S. Army, 1917-18. Post-graduate work, University of Minnesota, 1925. General practice, specializing in diseases of the chest, Ashland. Assistant Superintendent, Wisconsin State Tuberculosis Sanatorium, 1916-17. Member of Staff, Ashland General and St. Joseph's Hospitals.

ADELLON P. ANDRUS.

M.D., Hahnemann, Chicago, 1880. General practice, Fairchild, Wisconsin, 1880-89; Ashland, 1889-. Ex-president, Wisconsin State Board of Medical Examiners. Member of Staff, Ashland General and St. Joseph's Hospitals.

HERBERT CLARENCE KIMBERLIN.

M.D., Ensworth Medical College, 1911. Staff Physician, Hospital Insane, St. Joseph, Missouri, 1915. U. S. Army, 1918-19. Post-graduate work, St. Joseph, Missouri, 2 years. In practice, specializing in Eye, Ear, Nose and Throat work, St. Joseph, Missouri, 1911-17; Trenton, Missouri, 1917-26; Ashland, 1926-. Member of Staff, Ashland General and St. Joseph's Hospitals.

CLYDE JEFFREY SMILES.

M.D., Pennsylvania, 1911. Intern, St. Joseph's Hospital, Ashland, Wisconsin, 1911-12. Post-graduate work in Urology, Chicago, 1920. General practice, Ashland, 1912-20; specializing in Surgery and Urology, 1920-. Radiologist, St. Joseph's Hospital, Ashland, 1912-16; Ashland General Hospital, 1917-20. Member of Radiological Society of North America. President, Ashland, Bayfield, Iron County Medical Society. Member staff, Ashland General and St. Joseph's Hospitals.

EAU CLAIRE

Luther and Sacred Heart Hospitals

H. CHRISTIAN U. MIDELFART, Preceptor in Charge.

B.S., Norway, 1892; M.D., Norway, 1892. Intern, Rex Hospital, Christiana, Norway, 1892-93; Private Clinic, Bergen, Norway. Post-graduate work, 1895-96. General practice, Eau Claire, 1897-. Member, American College of Surgeons. Staff, Luther and Sacred Heart Hospitals.

ASSOCIATE AND ASSISTANT PRECEPTORS

FIN GERHARD ANDERSON.

A.B., St. Olaf College, 1916; M.D., Northwestern, 1920. Intern, Michael Reese Hospital, Chicago, 1920-21. In practice of Surgery and Obstetrics, Eau Claire, 1921-. Staff, Luther Hospital.

CLARENCE HENRY FALSTAD.

B.S., Wisconsin, 1920; M.D., Harvard, 1922. Intern, St. Mary's Lying-In Hospital, Dorchester, Massachusetts, 6 mos., 1922; Boston City Hospital, 1923-24. General practice, Goddard Clinic, Brockton, Massachusetts, 6 mos., 1925; State University of Iowa, 6 mos., 1925; practice in Obstetrics and Pediatrics, Eau Claire, 1926-. Visiting physician, Child Welfare Clinic, Eau Claire.

GJERMUND HOYME.

A.B., St. Olaf College, 1914; M.D., Northwestern, 1918. Intern, Mercy Hospital, Chicago, 1918; Kings County Hospital, Brooklyn, N. Y., 1918-19. In practice of Internal Medicine and Gastro-enterology, Eau Claire, 1920-. Member, American Radiological Society. Staff, Luther Hospital and Sacred Heart Hospital.

HARTWICK MARTINUS STANG.

B.S., Wisconsin, 1917; M.D., Harvard, 1919. Intern, Hartford Hospital, Hartford, Connecticut, 2 yrs. Post-graduate work, New York. In practice of Urology, Eau Claire, 1921-. Member, American Urological Association, Wisconsin Urological Association, North Central Branch of American Urological Association. Staff, Luther Hospital and Sacred Heart Hospital.

IVER STOLAND.

A.B., 1909; M.D., Rush, 1911. Intern, Cook County Hospital, 1912-13. U. S. Army Evacuation Hosp. No. 1, 1917-19. Post-graduate work, New York, 1920. General practice, Eau Claire, 1914-17; practice limited to Surgery, General and Orthopedic, 1919-. Staff, Luther Hospital.

NELS WERNER.

M.D., Rush, 1904. Member of Staff, Luther Hospital.

LA CROSSE

Lutheran Hospital

ADOLPH GUNDERSEN, Preceptor in Charge.

Graduate, University of Norway, 1883; M.D., 1890. Intern, Community Hospital, Bergen, 1889. Resident, Riks hospitalet, Christiana, 1890. Post-graduate study, Berlin, 1893; Vienna and Bern, 1896. Member, American College of Surgeons. Honorary member, Kirurg forening, Christiana. General practice, La Crosse, 1891-96; specialist in surgery, 1896-. Member, Board of Regents, University of Wisconsin. Member of Staff, St. Francis Hospital; Chief of Staff, Lutheran Hospital.

ASSOCIATE AND ASSISTANT PRECEPTORS

EDWARD SAMUEL CARLSSON.

B.A., Bethany College, Lindsborg, Kansas, 1912; M.D., Rush, 1918. Intern, La Crosse Lutheran Hospital, La Crosse, 1918-19. General practice, La Crosse, 1918-. Gynecologist and Obstetrician, Lutheran Hospital; member of Staff, St. Francis Hospital.

PAUL C. GATTERDAM.

B.S., Wisconsin, 1922; M.D., Washington, 1924. Intern, La Crosse Lutheran Hospital, 1924-25. U. S. Army, 1917-19. House Physician, La Crosse Lutheran Hospital, 1925-.

ALF HELGE GUNDERSEN.

M.D., Harvard, 1923. Intern, General Memorial Hospital, New York City, 4 mos., 1923; Roosevelt Hospital, New York City, Surgical service, 1923-25; Roosevelt Hospital, special Urological service, 6 mos., 1926. Field Artillery, U. S. Army, 1918. Practice in Urology, La Crosse, 1926-. Member, Wisconsin Urological Society. Staff, La Crosse Lutheran Hospital, St. Francis Hospital.

MARTIN SIVERTSON.

B.A., North Dakota, 1917; M.D., Northwestern, 1920. Intern, La Crosse Lutheran Hospital, 1919-20. General practice, La Crosse, specialty, clinical Pathology, 1920-. Pathologist, Lutheran Hospital; member of Staff, St. Francis Hospital.

St. Francis Hospital

EDWARD EVANS, Preceptor in Charge.

M.D., McGill, 1887. Post-graduate study, New York, 1890; Europe, 1896, 1908, 1914, 1918. Member, American College of Surgeons, Western Surgical Association. In practice, La Crosse, 1888-; specialist in Surgery, 1906-; Regent, University of Wisconsin, 1901-13. President, Board of Health, La Crosse, 1910-20; Chairman, Council State Medical Society, 1918-; President, State Medical Society, 1910. Chief Surgeon, St. Francis Hospital, 1900-.

ASSOCIATE AND ASSISTANT PRECEPTORS

WILLIAM EDWARD BANNEN.

M.D., Northwestern, 1908. Practice in Urology, La Crosse. Member, American College of Surgeons. Member of staff, St. Francis Hospital.

JOHN ADOLPH BIGLER.

B.S., University of Wisconsin, 1921; M.D., Rush, 1923. Intern and Resident, Washington Blvd. Hospital, Chicago, 1923-25. Assistant in Heart Clinic, Rush Medical College, 1923; Assistant Instructor in Surgery, University of Illinois, 1924. Private practice, La Crosse, 1925-. On staff, St. Francis Hospital, La Crosse, 1925-.

JAMES AMBROSE EVANS.

B.A., Wisconsin, 1917; M.D., Harvard, 1920. Intern, Barnes Hospital, St. Louis, 1920-21; St. Francis Hospital, La Crosse, 1921-22. Post-graduate study in Europe, 1922-23; Assistant Roentgenologist, Hospital St. Antoine, Paris, 1922; Practice in La Crosse specializing in Internal Medicine and Roentgenology, 1924-; Assistant in Radiology, Peter Bent Brigham Hospital, Boston, 1923-24. Member, Radiological Society of North America. Internist and Radiologist, St. Francis Hospital.

MATTHEW ALOYSIUS MCGARTY.

B.A., St. Thomas College, 1908; M.D., Marquette, 1912. Intern, Milwaukee County Hospital, 1912-13-14. Post-graduate study, Johns Hopkins, 1915; Harvard, 1916; Mayo Clinic, 1919. Instructor special courses for medical officers at Rockefeller Institute, New York City, and Walter Reed Hospital, Washington, during World War. Surgeon, St. Francis Hospital, La Crosse. Private practice, La Crosse, 1914-. Member, American College of Surgeons, 1921-. President, State Medical Society, 1925.

ARCHIBALD AMBROSE SKEMP.

B.S., University of Wisconsin, 1915; M.D., Washington University, 1917. Intern, St. Francis Hospital, La Crosse, 1917-18. Post-graduate study, Cook County Hospital, Chicago, 1919; University of Minnesota, 1921. Practice in La Crosse, 1917-. Staff, St. Francis Hospital, 1918-.

DEAN STANLEY SMITH.

M.D., University of Illinois, 1915. Intern, Passavant Memorial, Chicago, 1915-16; Illinois Charitable Eye and Ear Infirmary, 1916-17. Post-graduate study, University of Pennsylvania, 1921; Harvard University, 1922-1923; University of Vienna, 1924; Denver, 1925. Practice in La Crosse, 1917-. Attending specialist U. S. Veterans Bureau, 1919-23. Fellow, American College of Surgeons. Member, American Academy of Ophthalmology. Attending Ophthalmologist and Otolaryngologist, St. Francis Hospital, La Crosse.

EUGENE HERBERT TOWNSEND.

B.S., Wisconsin, 1914; M.D., Rush, 1917. Intern, St. Francis Hospital, 1917-18. Instructor in Anatomy, Wisconsin, 1912-14. First Lieutenant, Medical Corps, during World War. General practice, New Lisbon, Wis., 1919; La Crosse, 1919-. Member of Advisory Board, St. Francis Hospital, La Crosse.

HERMAN E. WOLF.

B.S., Wisconsin, 1900; M.D., Rush, 1903. Intern, Cook County Hospital, 1903-05. Fellow in pathology, Rush, 1905-06. General practice, La Crosse, 1906-. Member of staff, St. Francis Hospital, La Crosse.

MARSHFIELD

St. Joseph's Hospital

KARL W. DOEGE, Preceptor in Charge.

M.D., Western Reserve, 1890. Member of Advisory Board, U. S. Army. Post-graduate work, Berlin, Germany, 1896-97; Vienna, 1922-23; Johns Hopkins, 1901-02. Practice in General Surgery, Marshfield, 1890-. Member, American College of Surgeons. Surgeon in Chief, St. Joseph's Hospital.

ASSOCIATE AND ASSISTANT PRECEPTORS

LYMAN A. COPPS.

B.S., University of Chicago, 1913; M.D., Rush, 1915. Intern, Durand Hospital for Contagious Diseases, 1915; Jones Memorial Hospital, 1916; Cook County Hospital, 1916-17. Staff Resident, Ophthalmology and Otolaryngology, Cook County Hospital; Assistant in Ophthalmology, University of Illinois. (Ophthalmologist Base Hospital 12) General Hospital 18 B. E. F., Consulting Ophthalmologist Base Section 1, U. S. Army, 1917-19. Practice in Eye, Ear, Nose and Throat, Chicago, 1919; Marshfield, Wisconsin, 1920-. Member, American College of Surgeons, the American Academy of Ophthalmology and Otolaryngology, Chicago Ophthalmological Society, Central Wisconsin Society of Ophthalmology and Otolaryngology. Ophthalmologist, St. Joseph's Hospital.

KARL HERMAN DOEGE.

B.S., Wisconsin, 1914; M.D., Johns Hopkins, 1917. Intern, Bayview Hospital, Baltimore, Md., 1917. Lieutenant, Medical Corps, U. S. Army, 1918. Post-graduate work, Europe, 1922. In practice of Internal Medicine, Marshfield Clinic, Marshfield, Wis., 1920-. Member, Radiological Society of North America. Member staff, St. Joseph's Hospital.

WILLIAM HIPKE.

M.D., Illinois, 1891. Post-graduate work, Chicago Eye, Ear, Nose and Throat College, 1908; University of Vienna, 1909. Practice, Hustisford, Wisconsin, 16 yrs.; practice in Eye, Ear, Nose and Throat, Marshfield, 18 yrs. Member, Central Wisconsin Otolaryngological Society. Member Staff, St. Joseph's Hospital.

VICTOR ALWYN MASON.

M.D., Toronto, 1906. Study, Europe, one year. In practice of general surgery, Marshfield, 1920-. Member, Wisconsin Medical Society. Surgeon, St. Joseph's Hospital.

HANSFORD H. MILBEE.

M.D., Trinity College, Toronto, 1896. Assistant in Neurology, Post-graduate Medical School, Chicago, 1890. Member of Advisory Board, U. S. Army. General practice, Roberts, Wisconsin, until 1890; Marshfield until 1917; practice limited to cardio-vascular and renal diseases, Marshfield, 1917-. Member, Congress of Internal Medicine. Member of Staff, St. Joseph's Hospital.

ROY PILLING POTTER.

M.D., Milwaukee Medical College, 1903. Captain, Medical Corps, U. S. Army. In general practice, Auburndale, Wisconsin, 1903-10; Marshfield, 1910-17; practice limited to Roentgenology, 1917-. Member, Radiological Society of North America. Roentgenologist, St. Joseph's Hospital.

SAMUEL GEORGE SCHWARZ.

M.D., Milwaukee Medical College, 1900. Post-graduate work in Physiotherapy, 1924. U. S. Army, 1916-18. In general practice, Granton, Wisconsin, 12 yrs.; Humbird, Wisconsin, 12 yrs.; specializing in Physiotherapy, Marshfield, 1924-. Member, American Academy of Physiotherapy.

WALTER GRESHAM SEXTON.

B.A., Wisconsin, 1908; M.D., Johns Hopkins, 1911. Resident house officer, Johns Hopkins Hospital, 1911-12; Assistant Resident Surgeon, Hebrew Hospital, Baltimore, 1912-13; Chief Resident Surgeon, Hebrew Hospital, Baltimore, 1913-14. First Lieutenant, U. S. Army Medical Corps, 1918-19. Post-graduate work, University of Vienna, 1925. Member, American Urological Society, Chicago Urological Society, North Central Urological Society, Wisconsin Urological Society. Urologist, St. Joseph's Hospital.

JAMES BLAINE VEDDER.

M.D., Northwestern, 1905. U. S. Army, 1918-19. Post-graduate work Children's Memorial, Chicago, 1923; Vienna, Austria, 1926. General practice, Marshfield, 1906-20; practice of Pediatrics, 1920-. Member of Staff, St. Joseph's Hospital.

HARRY A. VEDDER.

M.D., Northwestern, 1905. Post-graduate work, Chicago, 1916; New York, 1923; Surgical Institute, Chicago, 1926. In general practice, Edgar, Wisconsin, 1906-16; Marshfield, 1916-19; specializing in Surgery, 1919. Member of Staff, St. Joseph's Hospital.

OSHKOSH

St. Mary's and Mercy Hospitals

FRANK GREGORY CONNELL, Preceptor in Charge.

M.D., Rush, 1896. Post-graduate work, University of Illinois Medical School, 1896-97. Intern, Alexian Brothers' Hospital, Chicago, Illinois, 1897-98; Passavant Memorial Hospital, Chicago, 1899-1900. Chairman, Medical Advisory Board, U. S. Army. In practice of General Surgery and Gastro-Intestinal Diseases, Chicago, 1899-1901; Colorado, 1901-05; Oshkosh, Wisconsin, 1905-. Member, American College of Surgeons, Western Surgical Association, Council State Medical Society. President, State Medical Society, 1924. Attending Surgeon, St. Mary's and Mercy Hospitals.

ASSOCIATE AND ASSISTANT PRECEPTORS

NEIL ANDREWS, JR.

A.B., Brown University, 1892; M.D., Northwestern, 1904. Intern, St. Mary's Hospital, 1904-05. Captain, U. S. Army, 1918. General practice, Oshkosh, 1904. Member, American College of Physicians. Staff, St. Mary's and Mercy Hospitals.

EDWIN FORREST BICKEL.

A.B., Ursinus College, 1900; M.D., Medico-Chirurgical College, Philadelphia, 1903. Intern, State Hospital for Injured Miners, Fountain Springs, Pennsylvania, 1903-04. Captain, Medical Corps, U. S. Army, 1918. Post-graduate work, Polyclinic Hospital, Philadelphia, 1909; University of Minnesota, 1914; Harvard, 1920; University of Berne, Switzerland, 1925. In general practice, Shamokin, Pennsylvania, 1904-14; Oshkosh, Wisconsin, 1914-. Member of Staff, St. Mary's and Mercy Hospitals.

BURTON CLARK, JR.

B.S., Wisconsin, 1921; M.D., Harvard, 1923. Intern, St. Luke's Hospital, Chicago, 1923-25; Peter Bent Brigham Hospital, Boston, Surgery, 1925; Boston City Hospital, Boston, Pathology, 1925-26. In general practice, Oshkosh, 1926-. Member of Staff, St. Mary's and Mercy Hospitals.

CLARENDON JAMES COMBS.

A.B., Michigan Agricultural College, 1894; M.D., Michigan, 1898. Lieutenant Colonel, 340th Field Artillery, U. S. Army. In practice, General Surgery, Oshkosh, 1917-. Member, American College of Surgeons. Surgical Staff, St. Mary's and Mercy Hospitals.

JOHN M. HOGAN.

M.D., Rush, 1902. Intern, St. Mary's, Milwaukee, 1902-03. In general practice, Rhinelander, Wisconsin, 1903-11; Oshkosh, 1911-. Attending Physician, St. Mary's and Mercy Hospitals.

JOHN FERDINAND SCHNEIDER.

A.B., Wesleyan University, 1903; M.D., Hahnemann, Philadelphia, 1907. Intern, Hahnemann Hospital, Scranton, Pennsylvania, 1907-08. Post-graduate work, Jefferson Medical College, Philadelphia, 1909-10; New York Post-graduate College and Hospital, 1920. U. S. Army, M. O. R. C., 1917-18. In general practice, Scranton, Pennsylvania, 1908-09; Oshkosh, 1910-17; specializing in Urology, 1919-. Member, Urological Society of Wisconsin. Staff, St. Mary's and Mercy Hospitals.

THADDEUS DEWEY SMITH.

M.D., 1908. Intern, St. Luke's Hospital, Utica, New York, 1908-09; Utica State Hospital receiving ward, 1909. Post-graduate work, Rochester, Minnesota, 1911; Harvard Base Hospital, 1917-18. In general practice, lumber camps and mines of California, 1912; Neenah, Wisconsin, 1913-. Member staff, Theda Clark Hospital, Neenah, Wisconsin.

WAUSAU

St. Mary's Hospital

JOSEPH FRANKLIN SMITH, Preceptor in Charge.

B.A., Northern Indiana Normal School, 1893; M.D., Rush, 1900. Intern and resident surgeon, Presbyterian Hospital, 1900-04. Associate Surgeon, Presbyterian Hospital, Chicago, 1905-08. Post-graduate work, Vienna, 1906. Member, American College of Surgeons, American Association Railway Surgeons, Chicago Surgical Society, Western Surgical Association. President, State Medical Society, 1925-26; Councilor, State Medical Society, 1912-. Practice of Surgery, Wausau, 1908-. Chief of staff, St. Mary's Hospital.

ASSOCIATE AND ASSISTANT PRECEPTORS

VERNE EVERETT EASTMAN.

A.B., South Dakota, 1918; M.D., Rush, 1921. Intern, Presbyterian Hospital, Chicago, 1920. In practice of Internal Medicine, Wausau, 1922-. Member staff, St. Mary's Hospital.

SETH M. B. SMITH,

M.D., University of Illinois, 1900. Post-graduate work, Metropolitan Schools Medicine, London, 1903; Harvard Medical School, 1916; Chicago Hospitals, 1913; University of Minnesota, 1924. American Red Cross, Overseas, 1917-18. In general practice, Crandon, Wisconsin, 1900-05; Wausau, 1905-. Member, Central States Pediatric Society. Member of Staff, St. Mary's Hospital; Attending Physician, Marathon County Asylum and Marathon County Home and Hospital.

Wausau Memorial Hospital

MERRITT LA COUNT JONES, Preceptor in Charge.

B.S., Wisconsin, 1912; M.D., Harvard, 1915. Intern, Peter Bent Brigham Hospital, 1915-16; Surgical resident, 1916-17. Special work, Orthopedic Surgery, Pennsylvania, 1918. Chief, Orthopedic Service, U. S. A. General Hospital 1, New York City, 1918-19. Surgeon, Wausau Memorial Hospital and Chairman Medical Executive Committee.

ASSOCIATE AND ASSISTANT PRECEPTORS

ROLAND F. FISHER.

B.S., Wisconsin, 1908; M.D., Johns Hopkins, 1912. Intern, Washington University Medical School, St. Louis, 1912-14; Assistant in Surgery, Washington University Medical School, 1914-15; Resident in Barnard Skin-Cancer Hospital, 1915-16. Surgical service in Base Hospital 21, France, 1916-18. Practice in General Surgery, Wausau, 1918-. Secretary of Staff, Wausau Memorial Hospital.

JOSEPH MERVIN FREEMAN.

A.B., De Pauw, 1913; M.D., Harvard, 1918. Student Intern, Clinical Pathology and Pathology, 1916-18; Boston Psychopathic and Boston State Hospitals; Medical Intern, Barnes Hospital, St. Louis, 1918. Surgical office—P. of Emb., Hoboken, N. J. Surgical Service, U.S.A. General Hospital No. 1, 1918. Post-graduate work, Washington University Medical School, 1924. In practice of Internal Medicine, Wausau, 1919-. Member of Staff, Wausau Memorial Hospital.

FORREST HENRY FREY.

B.S., Wisconsin, 1911; M.D., Rush, 1913. Intern, Buffalo General Hospital, Buffalo, New York, 1913-14. Post-graduate work at Clinics, Rush Medical College, 1917, 1919, and Augustana Hospital, 1924. Practice in Internal Medicine, Wausau, 1914-. Staff, Wausau Memorial Hospital.

DAVID T. JONES.

M.D., Illinois, 1888. Post-graduate work, Chicago Clinical School, Harvard Post-graduate School, 1914 and 1916. In general practice, specializing in Obstetrics and Pediatrics, Chilton, Wisconsin, 1881-91; Wausau, 1891-. President, County and district Medical Societies, Surgeon, C. & N. W. Railway Company; Surgeon, C. M. & St. P. Ry. Co.; Secretary, U. S. Pension Board; President, Board of Trustees, Wausau Memorial Hospital. Chief of Staff, Wausau Memorial Hospital.

RICHARD W. JONES.

A.B., Carroll College, 1897; M.D., Northwestern, 1902. Intern, People's, Chicago, 1902-03. U. S. Army Medical Corps, 1918-19. General practice, Sussex, Wisconsin, 1903-07; practice in General Surgery, Wausau, 1908-. Member American College of Surgeons. Staff, Wausau Memorial Hospital.

INSTRUCTORS

IRMA BACKE, Instructor in Clinical Medicine.

M.D., Minnesota, 1924; Intern, New York Infirmary, New York City, 1923-24. Instructor in Clinical Medicine, 1925-; Assistant Physician, Student Health Service, 1925-.

HARRY BAERNSTEIN, Instructor in Physiological Chemistry.

B.S., Wisconsin, 1921; M.S., Wisconsin, 1926. Instructor in Physiological Chemistry, 1925-.

JOHN EDWARD BENTLEY, Instructor in Clinical Medicine and Surgery.

B.S., Wisconsin, 1915; M.D., Pennsylvania, 1917. Intern, St. Luke's Hospital, Chicago, 1917-18. Captain, U. S. Medical Corps, 1918-19. Practice, Portage, 1919-. Instructor in Clinical Medicine and Surgery, 1926-.

SIDNEY KNOPPOW BEIGLER, Instructor in Surgery.

B.S., Michigan, 1921; M.D., Michigan, 1924. Intern, Wisconsin General Hospital, 1924-25. Assistant Resident in Surgery, 1925-26; Resident in Surgery, 1926-. Instructor in Surgery, 1926-.

DONALD EVANS CAMP, Instructor in Clinical Medicine.

A.B., Iowa, 1923; M.D., Iowa, 1924. Intern, California Lutheran Hospital, Los Angeles, 1924-25. Instructor in Clinical Medicine, Wisconsin, 1927-. Assistant Physician, Student Health Service.

RALPH IRVING CANUTESON, Instructor in Clinical Medicine.

B.A., Wisconsin, 1923; M.D., Minnesota, 1925. Intern, Wisconsin General Hospital, 1925-26. Instructor in Clinical Medicine, Wisconsin, 1927-. Assistant Physician, Student Health Service, 1927-.

WILLIAM PHILLIPS CORR, Instructor in Pathology.

A.B., Lawrence College, 1920; A.B., University of Wisconsin, 1921; M.D., Rush, 1924. Intern, Los Angeles General Hospital, 1923-24. Resident Physician, Luther Sanatorium, Wheatridge, Colorado, 1924-25. General medical practice, Juneau, Wisconsin, 1925-27. Instructor in Pathology, Wisconsin, 1927-.

FREDERICK EARL EMERY, Instructor in Physiology.

D.V.M., Kansas Agricultural College, 1923; M.S., Kansas Agricultural College, 1924; Ph.D., Physiology, Wisconsin, 1927. Assistant, Zoology, Kansas Agricultural College, 1923-24; Assistant, Department of Physiology, University of Illinois, 1924-26. Instructor in Physiology, Wisconsin, 1927-.

WILLIAM JOHN FOCKE, Instructor in Surgery.

B.S., Wisconsin, 1919; M.D., Illinois, 1922. Pathologist, Madison General Hospital, 1918-19. Resident Staff, City and County Hospital, St. Paul, Minnesota, 1921-22. Practice, Poynette, Wisconsin, 1922-. Instructor in Clinical Medicine, 1925-27; Instructor in Surgery, 1927-.

CLIFFORD CARLTON FRANSEEN, Instructor in Anatomy.

B.A., Wisconsin, 1926. Instructor in Anatomy, 1927-.

KARL FRIEDBACHER, Instructor in Surgery.

B.S., Wisconsin, 1923; M.D., Pennsylvania, 1925. Intern, Henry Ford Hospital, 1925-26; Instructor in Anatomy and Surgery, 1926-27; Instructor in Surgery, 1927-. Assistant Resident in Obstetrics and Gynecology, Wisconsin General Hospital, 1927-.

DOUGLAS NELSON GIBSON, Instructor in Clinical Medicine.

B.S., Wisconsin, 1924; M.D., Washington University, St. Louis, Missouri, 1926; Intern, Wisconsin General Hospital, 1927. Instructor in Clinical Medicine, Wisconsin, 1927-. Assistant Physician, Student Health Service.

HARRY VICTOR GIBSON, Instructor in Neuro-Psychiatry.

M.D., Washington University, 1924. Clinical Research, 1924-25; Associate Clinician, Psychiatric Institute, 1925-. Instructor, 1925-.

FRANK GILLETTE, Instructor in Pathology.

B.S., Wisconsin, 1925. Instructor in Pathology, 1926-.

HANCE HANEY, Instructor in Physiology.

B.A., Wisconsin, 1926. Instructor in Physiology, 1927-.

FRANCES ELIZABETH HOLFORD, Instructor in Bacteriology.

B.A., Wisconsin, 1923; M.A., Wisconsin, 1924; Assistant in Bacteriology, Wisconsin, 1921-23; Instructor, 1923-.

VOLNEY BUTMAN HYSLOP, Instructor in Plastic Surgery.

M.D., Washington, 1924. Intern, St. Mary's Hospital, Madison, 1923-24; Resident in Ophthalmology and Otolaryngology, Wisconsin General Hospital, 1924-26; Instructor in Ophthalmology, 1925-26; Instructor in Plastic Surgery, 1926-.

JOSEPH WARREN JACKSON, Instructor in Clinical Pathology.

M.D., Colorado, 1926. Intern, St. Luke's Hospital, Denver, 1926-27, 3 mos. service in laboratory. Student Assistant in Pathology, Colorado, 1925-26; Instructor in Clinical Pathology, Wisconsin, 1927-. Assistant Clinical Pathologist, Wisconsin General Hospital, 1927-.

CHARLES E. LYGHT, Instructor in Clinical Medicine.

C.M., Queen's University, Kingston, Ontario, Canada; M.D., Queen's University, Kingston, Ontario, Canada, 1926; Intern, General Hospital, Hamilton, Ontario, Canada; Commission, Army Medical Corps; Hatcher Hospital, Wellington, Kansas. Instructor in Clinical Medicine, Wisconsin, 1927-. Assistant Physician, Student Health Service.

FORREST DRAPER MCCREA, Instructor in Physiology.

B.S., Purdue University, 1918; M.S., Illinois, 1920; Industrial Bacteriologist, 1918-19; Assistant in Physiology, Illinois, 1920-23; Instructor in Physiology, 1923-.

EDWIN DANIEL MCKINLEY, Instructor in Clinical Medicine.

B.S., Wisconsin, 1923; M.D., Washington, 1925. Intern, Wisconsin General Hospital, 1925-26; Resident in Medicine, 1926; Instructor in Clinical Medicine, 1926-.

JAMES D. MCKINNON, Instructor in Pathology.

A.B., McGill University, 1921; M.D., 1924. Assistant in Pathology, McGill University, 1924-25. Assistant Pathologist, State Laboratory of Pathology, Albany, New York, 1925-27. Instructor in Pathology, Wisconsin, 1927-.

OLIVER OTTO NELSON, Instructor in Clinical Pathology.

A.B., Wisconsin, 1907; M.D., Rush, 1913. Intern, Deaconess Hospital, Chicago, 1913-14; Post-Graduate School, Chicago, 1923; Instructor in Bacteriology, Wisconsin, 1907-11; Instructor in Clinical Pathology, 1925-.

WESLEY THEODORE POMMERENKE, Instructor in Physiology.

B.A., Kansas, 1922; M.A., Kansas, 1923; Ph.D., Wisconsin, 1926. Fellow in Zoology, Kansas, 1922-23; Assistant in Zoology, Wisconsin, 1923-24; Research Assistant in Zoology, Wisconsin, 1924-25. Instructor in Physiology, Wisconsin, 1925-.

JOSEPH ARTHUR SANFORD, Instructor in Clinical Medicine.

B.S., Marquette, 1924; M.D., Marquette, 1925. Intern, St. Elizabeth's Hospital, Youngstown, Ohio, 1924-25. Post-graduate work, Columbia College of Physicians and Surgeons, 1925-26. Instructor in Clinical Medicine, Wisconsin, 1926-; Assistant Physician, Student Health Service, 1926-.

JOHN G. SINCLAIR, Instructor in Anatomy.

B.S., University of Chicago, 1911; M.S., North Dakota, 1925; Assistant and Fellow in Zoology, University of Chicago, 1910-13, 1915-17; Assistant Professor of Anatomy and Physiology, North Dakota, 1921-25; Associate Professor, 1925-26. Instructor in Anatomy, Wisconsin, 1926-.

HARVEY MCKINLEY SMITH, Research Assistant in Ophthalmology.

B.A., Ohio Wesleyan, 1920; M.S., Wisconsin, 1922; Ph.D., Wisconsin, 1924. Professor of Zoology, Wyoming, 1924-26. Research Assistant in Ophthalmology, 1926-.

LINDLEY VINCENT SPRAGUE, Instructor in Clinical Medicine.

M.D., Detroit College of Medicine and Surgery, 1923; Intern, City of Detroit Receiving Hospital, 1922-23; Chief Resident in Medicine, City of Detroit Receiving Hospital, 1923-24; Assistant Physician, Student Health Service, Wisconsin, 1925-26; Instructor in Clinical Medicine, 1925-.

KATE STALEY, Instructor in Physiology.

B.A., Wells, 1914; M.S., Wisconsin, 1925. Instructor in Physiology, Wisconsin, 1924-.

MARIAN E. STARK, Instructor in Clinical Chemistry.

A.B., Smith, 1917; R.N., California, 1920. Instructor in Clinical Chemistry, Wisconsin, 1926-.

RUBIN H. STIEHM, Instructor in Clinical Medicine.

B.S., University of Indiana; M.D., University of Indiana, 1926. Intern, Wisconsin General Hospital, 1926-27. Instructor in Clinical Medicine, Wisconsin, 1927-. Assistant Physician, Student Health Service.

WARREN STRATMAN-THOMAS, Research Pharmacologist.

B.A., Wisconsin, 1924; M.A., Wisconsin, 1925; Ph.D., Wisconsin, 1926. Student Assistant in Bacteriology, Wisconsin, 1923-24; Research Pharmacologist, 1924-.

JAMES LEONARD VICKERS, Instructor in Physiology.

A.B., Wisconsin, 1922; M.D., Johns Hopkins, 1924. Intern, Johns Hopkins Hospital, 1925-26. Assisting at Johns Hopkins, Physiology, 1926-27. Instructor in Physiology, Wisconsin, 1927-.

LYMAN M. WEST, Instructor in Clinical Medicine.

M.D., Northwestern, 1925. Intern, St. Luke's Hospital, Chicago, 1925-26. Instructor in Clinical Medicine, Wisconsin, 1926-; Assistant Physician, Student County Hospital, 1923-25; Instructor in Clinical Medicine, Wisconsin, 1925.; Health Service, 1926-.

FRANK LAWRENCE WESTON, Instructor in Clinical Medicine.

B.S., Wisconsin, 1921; M.D., Rush Medical College, 1923; Intern, Cook Assistant Physician, Wisconsin General Hospital, 1927-.

ASSISTANTS

HARRY BEATTY, Student Assistant in Anatomy.

MRS. ALICE SCHIEDT CLARK, Assistant in Bacteriology.

WILLIAM CLARK, Student Assistant in Physiological Chemistry.

BERNICE GELDER, Student Assistant in Anatomy.

FRANCES HELLEBRANDT, Assistant in Anatomy.

HARMON HULL, Student Assistant in Anatomy.

EDWIN KEHR, Student Assistant in Pharmacology.

EUGENE LANGE, Student Assistant in Anatomy.

PHILIP MARQUART, Student Assistant in Anatomy.

BERNARD MCBAIN, Assistant in Pathology.

ISRAEL ROTTER, Student Assistant in Physiological Chemistry.

THE EXECUTIVE COMMITTEE OF THE MEDICAL SCHOOL

C. R. BARDEEN, M.D., Chairman

R. C. BUERKI, M.D.

A. S. LOEVENHART, M.D.

C. H. BUNTING, M.D.

W. F. LORENZ, M.D.

J. S. EVANS, M.D.

W. J. MEEK, Ph.D.

E. R. SCHMIDT, M.D.

W. D. STOVALL, M.D.

WISCONSIN GENERAL HOSPITAL

EXECUTIVE COMMITTEE

C. R. BARDEEN, M.D., J. D. PHILLIPS.
J. S. EVANS, M.D., E. R. SCHMIDT, M.D.
and
R. C. BUERKI, M.D., Superintendent

MEDICAL STAFF

General Medicine

J. S. EVANS, Physician.
R. VAN VALZAH, Associate Physician.
W. S. MIDDLETON, Associate Physician.
E. L. SEVRINGHAUS, Associate Physician.
R. C. BLANKINSHIP, Associate Physician.
K. L. PUESTOW, Assistant Physician.
F. L. WESTON, Assistant Physician.
E. D. MCKINLEY, Resident Physician.

General Surgery

E. R. SCHMIDT, Surgeon.
J. W. GALE, Assistant Surgeon.
R. M. WATERS, Anesthetist.
S. K. BEIGLER, Resident Surgeon.
K. FRIEDBACHER, Assistant Resident Surgeon.

Dermatology

O. H. FOERSTER, Dermatologist.
H. R. FOERSTER, Associate Dermatologist.
R. L. MCINTOSH, Associate Dermatologist.

Neuro-Psychiatry

W. F. LORENZ, Neuro-Psychiatrist.
W. J. BLECKWENN, Associate Neuro-Psychiatrist.
HANS REESE, Associate Neurologist.

Ophthalmology

F. A. DAVIS, Ophthalmologist.
E. E. NEFF, Associate Ophthalmologist.

Rhinology and Otology

W. M. NESBIT, Otolaryngologist.
R. L. BOWER, Otolaryngologist.

Orthopedic and Plastic Surgery

F. J. GAENSLEN, Orthopedic Surgeon.
G. V. I. BROWN, Plastic Surgeon.
R. E. BURNS, Associate Orthopedic Surgeon.
V. B. HYSLOP, Assistant Plastic Surgeon.

Obstetrics and Gynecology

C. S. HARPER, Associate Obstetrician and Gynecologist.
E. F. SCHNEIDERS, Associate Obstetrician and Gynecologist.

Pediatrics

J. E. GONCE, Associate Pediatrician.
H. K. TENNEY, Associate Pediatrician.

Radiology

E. A. POHLE, Radiologist.

Urology

IRA SISK, Urologist.

Physio-therapy

J. C. ELSOM, Physio-therapist.

LABORATORIES

Pathology and Bacteriology

C. H. BUNTING, Pathologist.
P. F. CLARK, Bacteriologist.

Clinical Pathology

W. D. STOVALL, Clinical Pathologist.
J. W. JACKSON, Assistant Clinical Pathologist.

Clinical Chemistry

ELMER SEVRINGHAUS, Chemist.
MARIAN E. STARK, Instructor.

STUDENT HEALTH SERVICE

WM. A. MOWRY, Physician-in-Chief.
S. I. MORRIS, Associate Physician.
IRMA BACKE, Assistant Physician.
J. SANFORD, Assistant Physician.
L. M. WEST, Assistant Physician.
R. I. CANUTESON, Assistant Physician.
D. E. CAMP, Assistant Physician.
D. N. GIBSON, Assistant Physician.
C. E. LYGHT, Assistant Physician.
R. H. STIEHM, Assistant Physician.

NURSING STAFF

DENNE, HELEN I., B.A., R.N., Professor of Nursing, Director of the School of Nursing.

FLETCHER, LILA B., R.N., Assistant Director of Nursing.

MURRAY, CHRISTINA, B.A., R.N., Instructor of Nursing.

BLEECKER, HELEN, R.N., Instructor in Eye, Ear, Nose and Throat Department.

CAMPBELL, FRANCES, R.N., Instructor in Night Nursing.

CAREY, GLADYS, R.N., Instructor in Communicable Diseases.

CLIFFORD, MRS. EVA, R.N., Instructor in Orthopedic Nursing.

HULL, DOROTHY, R.N., Instructor in Pediatric Nursing.

ISAACSON, EVANGELINE, R.N., Instructor in Operating Room Technique.

MEIER, MRS. BLANDA, R.N., Instructor in Surgical Nursing.

NEUBERT, MRS. GILMA, R.N., Instructor in Obstetrical Nursing.

OSTERHOUT, ELIZABETH, R.N., Instructor in Psychiatric Nursing.

ROBERTS, LILA, R.N., Instructor in Medical Nursing.

TOEPPER, MARGARET, B.S., Instructor in Dietetics.

STIVARIUS, VELMA, R.N., Assistant in Medical Nursing.

WALHUS, BESSIE, R.N., Assistant in Surgical Nursing.

OTHER OFFICERS

E. KUENZI, Pharmacist.

A. LINDBERG, Technician in Radiology.

MARGARET TOEPPER, B.S., Dietitian.

LEO SCHMELZER, Accountant.

MEDICAL EXTENSION DIVISION

EXECUTIVE COMMITTEE

CHESTER D. SNELL, Dean of the Extension Division, chairman.

GLENN FRANK, LL.D., President of the University.

ARTHUR W. ROGERS, M.D., President of the State Medical Society.

CHARLES R. BARDEEN, M.D., Dean of the Medical School.

JOSEPH S. EVANS, M.D., Professor of Medicine.

GEORGE CROWNHART, Secretary of the State Medical Society, *ex-officio*.

ADVISORY COMMITTEE

M. D. BIRD, M.D., Marinette.

O. A. FIEDLER, M.D., Sheboygan.

I. G. BABCOCK, M.D., Cumberland.

J. F. WILKINSON, M.D., Oconomowoc.

STATE LABORATORY OF HYGIENE

COMMITTEE IN CHARGE

C. A. HARPER, M.D., State Health Officer.
O. A. FIEDLER, M.D., President of the State Board of Health.
GLENN FRANK, LL.D., President of the University.
C. R. BARDEEN, M.D., Dean of the Medical School.

LABORATORY STAFF

W. D. STOVALL, M.D., Director.
E. J. TULLY, State Sanitary Engineer.
M. S. NICHOLS, Chemist.
EMERALD SCHEID, Assistant Bacteriologist.
VERA VINCENT, Assistant Chemist.
ALMA GEIDEL, Secretary.

STATE PSYCHIATRIC INSTITUTE

COMMITTEE OF SUPERVISION

COL. JOHN J. HANNAN, President of Board of Control.
MISS HARRIET GRIM, Vice-President of Board of Control.
FRANK KLODE, Member Board of Control.
GLENN FRANK, LL.D., President of the University.
C. R. BARDEEN, M.D., Dean of the Medical School.
W. F. LORENZ, M.D., Director.

LABORATORY STAFF

W. F. LORENZ, M.D., Director.
W. J. BLECKWENN, M.D., Assistant Director.
HANS REESE, M.D., Associate in Neuro-Psychiatry.
H. V. GIBSON, M.D., Associate Clinician.
P. H. CARROLL, Chief Technician.
E. M. KEARNEY, Secretary.

STATE TOXICOLOGIST

C. W. MUEHLBERGER, Ph.D., State Toxicologist.
H. H. SCHRENK, Assistant Toxicologist.

GENERAL STATEMENT

ESTABLISHMENT OF THE MEDICAL SCHOOL

The Medical School was established by act of the Legislature in 1907. Merely the first two years of the medical curriculum were then organized because there were not at that time sufficient clinical resources in Madison for a complete medical course. At a special session of the Legislature in 1920 an act was passed authorizing the establishment at the University, of the Wisconsin General Hospital as a memorial to those who served in the World War and for the care of patients, teaching, and research. The new hospital building was opened for care of patients in October, 1924. This hospital has made possible the organization of a complete medical course at the University leading to an M.D. degree. The third year of the medical course was begun in 1925-26, the fourth in 1926-27.

AIMS AND METHODS

The aims of the Medical School are:

1. To encourage a thorough preliminary medical education and to offer adequate facilities for a good preparation for clinical work.
2. To promote the development of preventive medicine and hygiene.
3. To stimulate research in the sciences upon which modern medicine is based.

Scientific medicine consists of the application of scientific knowledge and methods, not only to the cure or alleviation, but also to the prevention of disease. It requires a thorough mastery of the fundamental principles of physics, chemistry, and biology, as well as of the more specialized sciences of human anatomy, physiology, pathology, bacteriology, pharmacology, and toxicology. The progress of medicine and hygiene is largely dependent upon progress in these sciences. First-hand knowledge of them, acquired in laboratories under the direction of specialists, is essential for those who desire to treat disease and alleviate human suffering to the best advantage. With this knowledge and training the student can enter intelligently upon the study of the complex problems presented by the sick in dispensaries and hospital wards offering clinical training, and later in private practice. The methods employed in the various laboratories of the Medical School are designed to train the powers of quick observation, of accurate judgment, and of skillful execution, as well as to supply such knowledge of fundamental scientific facts and principles as is most necessary for clinical medicine.

The work in the preclinical sciences is under the direction of specialists who devote their whole time to teaching and investigation, and who are keenly interested in medical problems and progress. In each of the departments certain courses are required of all medical students; others are elective. The required courses are designed to insure a broad basis for clinical medicine. The elective

courses aid the students to gain depth of insight and special skill in some one branch, and thus become thorough as well as broad. The elective courses also offer excellent opportunities to graduates who wish to specialize in some one of the medical sciences and to physicians desiring to follow the progress of these sciences to prepare for public health work, or to undertake research.

The clinical part of the medical course is designed to offer practical training in the application of scientific knowledge to the prevention, cure and alleviation of disease. The third year of the medical course is devoted to a consideration of the broader aspects of clinical medicine and of the major medical specialties and to practical work in care of patients in the wards and outpatient departments of the Wisconsin General Hospital. This work is under the general direction of specialists who devote their whole service to care of patients, teaching, and research in the hospital. The teaching is supplemented by that of part-time men in some of the major specialties. Opportunity is offered for advanced work in the medical sciences as well as for training in routine procedures.

The fourth year of the medical course is designed to offer the students individual training in the art of medicine. Each student is assigned as an apprentice to a series of preceptors in medicine, surgery, and the major specialties. The preceptors are selected on the basis of ability, experience, desire to teach, and clinical facilities available.

GRADUATE AND POST-GRADUATE INSTRUCTION

Graduate work may be defined as advanced work in a major department leading to the degree of Master of Science or of Doctor of Philosophy in that department. Graduate work of this character is offered in each of the departments of the Medical School. This work is carried out under the auspices of the Graduate School of the University. The regulations relating to work for the higher degrees are published in the Bulletins of the Graduate School. Questions relating to such degrees should be addressed to the Dean of the Graduate School.

Post-graduate work may be defined as study carried on after graduation with a view to increase one's knowledge or skill but without aiming at that special mastery in a given field of knowledge which would entitle one to a higher degree. Post-graduate courses offered by the University are of two kinds, intra-mural and extra-mural.

Intra-mural post-graduate clinical courses are those offered by the Medical School at the Wisconsin General Hospital. A course of this character in the use of insulin was offered in 1923-24. It is the intention of the Medical School to offer similar courses from time to time as may be called for.

Extra-mural post-graduate courses are designed to provide physicians residing in a given locality with practical demonstrations of the newer methods of diagnosing and treating disease. Clinics are held at a hospital conveniently located, illustrated lectures are given and opportunity is offered for consultation with specialists. Arrangements for these clinics and lectures may be made by cooperation between the local physicians under whose auspices the clinics and lectures are held, and the Extension Division of the University.

Other aids for post-graduate study furnished members of the medical profession in Wisconsin by the University include:

1. The loaning of books from the medical section of the University Library. So far as practicable books from the University Library should be borrowed through local libraries, but when this is impracticable such books may be borrowed directly by paying cost of transportation.

2. Packet libraries. The Extension Division of the University receives reprints from several of the leading medical journals. These reprints are bound up in packet volumes relating to various subjects of special interest and are available to physicians, who should address requests for pamphlets on a given subject directly to the Extension Division at Madison.

3. Models, charts, photographs, lantern slides, and moving picture films, relating to medicine and hygiene are kept in considerable numbers by the Extension Division and are available to physicians preparing papers for presentation before medical societies or for popular education in medicine and hygiene.

4. Case reports. Mimeographed copies of cases of special interest are distributed to physicians desiring this service through the Extension Division.

5. The State Laboratory of Hygiene (the laboratory of the State Board of Health) and the State Psychiatric Institute (the laboratory of the State Board of Control) are located at the University and are closely affiliated with the Medical School. These institutions not only furnish direct laboratory aid to physicians but also do much to furnish practical post-graduate instruction.

SCIENTIFIC INVESTIGATION

It is desired that the facilities of the various laboratories of the Medical School be utilized to the greatest advantage in the investigation of the causes and prevention of disease both in man and animals. The laboratories of the Medical School are freely open to those engaged in such investigations and, so far as possible, aid will be given in carrying out investigations of this character either at the University or elsewhere in the state.

LABORATORY AND HOSPITAL FACILITIES

The teaching of the basal medical sciences, gross anatomy, histology, embryology, neurology, physiology, physiological chemistry, pharmacology, bacteriology, pathology, and hygiene is at present conducted in Science Hall, a building erected in 1887 and now shared by the basal science departments of the Medical School and the department of Geology and Geography. The equipment of the laboratories is exceptionally good.

At the 1925 session of the legislature authority was granted for the use of a surplus in the Rehabilitation Fund for the erection and equipment of Service Memorial Institutes for teaching and research in the medical sciences. A building to house these institutes is now in course of construction near the Wisconsin General Hospital.

The major portion of the fundamental teaching of the clinical branches is conducted in the Wisconsin General Hospital. This hospital, recently completed and occupied, has a capacity of over 300 beds, with ample facilities for medicine, surgery, and the major specialties. Affiliated with it under university control are the Student Infirmary, with a capacity of 80 beds, and the Bradley Memorial

Hospital, with a capacity of 40 beds, used at present for early neuro-psychiatric patients and for the Wisconsin Psychiatric Institute.

The Madison General Hospital, with a capacity of 125 beds, St. Mary's Hospital, with a capacity of 150 beds, the Methodist Hospital, with a present capacity of 40 beds but soon to finish a 100 bed addition, and the Madison Isolation Hospital, with a capacity of 50 beds, are utilized by associate members of the clinical staff to supplement clinical teaching in Madison. The State Hospital for the Insane at Mendota, the Milwaukee City Dispensary, and the Milwaukee Children's Hospital have also been made available for clinical teaching by the directors and by the members of the medical staffs. During the year 1926-27 hospitals in various medical centers of the state outside of Madison and Milwaukee were utilized for clinical teaching under the preceptor system. The names of these hospitals are given in connection with the list of preceptors, page 20).*

The State and City Boards of Health cooperate in the practical instruction offered our students in public health work.

*Through the kindness of Professor Joseph De Lee and the managers of the Chicago Lying-In Hospital and Dispensary of Chicago, fourth year medical students, during the summer and fall of 1926, had the privilege of taking work in obstetrics there. This privilege has been extended to our fourth year students for the summer and fall of 1927. Through the kindness of Dean Cutter and members of the faculty of Northwestern University Medical School, our fourth year students in the summer and fall of 1926 also had the privilege of taking work at several other Chicago hospitals.

ADMISSION REQUIREMENTS IN THE MEDICAL SCHOOL

For matriculation in the Medical School a student must furnish evidence:

1. That he has satisfied the requirements for admission to the College of Letters and Science.

The requirements for admission to the College of Letters and Science are to be found in the university catalog. They are met by a four-year high-school course which embraces certain groups of studies, including English, mathematics, and foreign language.

2. That he has completed at least the equivalent of two years' work, including the required freshman English, in college.

Two years of work in the College of Letters and Science may be interpreted as meaning the completion of 60 credits of prescribed college work.

3. That he has successfully pursued laboratory courses of college grade in physics, general and organic chemistry, biology, and vertebrate embryology.

The requirements in physics, chemistry, and biology must be satisfied before a student matriculates in the Medical School. Provision is made for studying embryology (Anatomy 115) during the first year of the medical course, but the student is expected to take this study before matriculating.

In addition, students are advised to take a course in quantitative analysis (Chemistry 11a) and in comparative anatomy before beginning the medical work. Attention is called to the opportunities for work in science during the summer session.

4. That he has studied elementary Latin.

The requirement in Latin is ordinarily met by two years of high-school or by one year of college Latin. It is preferable to meet the requirement by high-school work.

5. That he has a reading knowledge of French or German.

This may be secured either by the completion of the fourth semester of French or German at the University of Wisconsin with a grade of 80 or above or by a certificate of reading knowledge of one of these languages from the appropriate departments at the University of Wisconsin.

ADMISSION FROM OTHER INSTITUTIONS

FIRST YEAR CLASS: Students who have taken their premedical work at other institutions and who satisfy the entrance requirements may be admitted to this class.

A student wishing to apply for admission to this class should fill out an application blank and return it together with an official copy of his premedical credentials to the Dean of the Medical School not later than June 1 of the year in which he wishes to matriculate.

All students entering from other institutions are required to pass a reading knowledge examination in either German or French given by the German Department or the Department of Romance Languages of the University of Wisconsin at the time of matriculation.

SECOND YEAR CLASS: There is seldom a vacancy in this class and students from other institutions are not encouraged to apply for admission.

THIRD AND FOURTH YEAR CLASSES: At the present time no applications to these classes are accepted.

CHOICE OF PREMEDICAL COURSES

The student who enters the College of Letters and Science with the intention of studying medicine should arrange at the office of the Assistant Dean a schedule of study which will enable him to complete the required premedical college work within the period which he desires to devote to preparation for the medical course.

The following language studies are required:

English 1a, 1b.

Two years of foreign language.

Students who have not studied Latin in high school are required to take a year's work in elementary Latin.

The following science studies are required:*

| | Semester | Lectures | Laboratory | |
|----------------------------|----------|-------------|------------|---------|
| | | Recitations | Hours | Credits |
| Chemistry 1..... | Yr | 128 | 192 | 10 |
| Organic Chemistry 120..... | I | 48 | 96 | 4-6 |
| Physics 1..... | Yr | 128 | 128 | 10 |
| Biology 1..... | Yr | 128 | 192 | 10 |
| Embryology 115..... | II | 16 | 48 | 2 |
| | | 448 | 656 | 36-38 |

*It is recognized that similar courses at other institutions may not correspond exactly to the scientific courses given at Wisconsin. This will not prevent full credit being granted for approximately equivalent courses pursued elsewhere or during the summer session at Wisconsin.

The minimum time required for the completion of this premedical work is two years. If three or four years are spent on premedical college work, the student has the choice of either broadening his course of study or of taking more advanced work in some special line. All good American medical schools now require at least two years of premedical college work. Many require at least three years of college work and a few require a bachelor's degree for entrance. If a student expects to take his medical course elsewhere or to complete the clinical part of his medical course elsewhere, he should keep this in mind when arranging the premedical schedule. Thus, a student who expects to finish in a medical school which requires three years of college work for entrance should arrange for a three-year premedical college course. He should likewise acquaint himself with the special premedical requirements maintained by the school of his choice.

SUGGESTED PROGRAM FOR TWO YEAR PREMEDICAL COURSE

LEADING EVENTUALLY TO THE DEGREE OF BACHELOR OF SCIENCE, MEDICAL SCIENCE COURSE

| FRESHMAN YEAR | | | |
|---|---------|---|---------|
| First Semester | Credits | Second Semester | Credits |
| Engl. 1a—Freshman English..... | 3 | Engl. 1b—Freshman English..... | 3 |
| Chem. 1a—General Chemistry..... | 5 | Chem. 1b—Qualitative analysis..... | 5 |
| Physics 1 or 31—General physics..... | 5 | Physics 1 or 31—General physics..... | 5 |
| French 1a or German 1a..... | 4 | French 1b or German 1b..... | 4 |
| Physical education or military science... | 0 | Physical education or military science... | 0 |
| | 17 | | 17 |

SOPHOMORE YEAR

| | | | |
|--|-------|--|------|
| Chem. 20 or 120—Organic chemistry.... | 4-5 | Anat. 115—Embryology..... | 2 |
| Zoology 1a—General zoology..... | 5 | Zoology 1b—Animal biology..... | 5 |
| French 10a or German 2a..... | 3-4 | French 10b or German 2b..... | 3-4 |
| Latin 1—Elementary Latin..... | 5 | Latin 2—Caesar I and II..... | 5 |
| Elective if Latin was taken in high school (3-4) | | Elective if Latin was taken in high school (3-4) | |
| Physical education or military science... | 0 | Physical education or military science... | 0 |
| | 17-18 | | 17-1 |

SUGGESTED PROGRAM FOR THREE YEAR PREMEDICAL COURSE

LEADING EVENTUALLY TO THE DEGREE OF BACHELOR OF ARTS

| FRESHMAN YEAR | | | |
|---|---------|---|---------|
| First Semester | Credits | Second Semester | Credits |
| Engl. 1a—Freshman English..... | 3 | Engl. 1b—Freshman English..... | 3 |
| Chem. 1a—General chemistry..... | 5 | Chem. 1b—Qualitative analysis..... | 5 |
| French 1a or German 1a..... | 4 | French 1b or German 1b..... | 4 |
| History or mathematics..... | 3-4 | History or mathematics..... | 3-4 |
| Physical education or military science... | 0 | Physical education or military science... | 0 |
| | 15-16 | | 15-16 |

SOPHOMORE YEAR

| | | | |
|---|-----|---|-----|
| Engl. 30a or 33a—Sophomore literature_ | 3-2 | Engl. 30b or 33b—Sophomore literature_ | 3-2 |
| Chem. 20 or 120—Organic chemistry_ | 4-5 | Zoology 1b—Animal biology_ | 5 |
| Zoology 1a—General zoology_ | 5 | French 10b or German 2b_ | 3-4 |
| French 10a or German 2a_ | 3-4 | Elective_ | 5 |
| Physical education or military science_ | 0 | Physical education or military science_ | 0 |
| <hr/> | | <hr/> | |
| 15-16 | | 15-16 | |

JUNIOR YEAR

| | | | |
|---|------|---|-----|
| Physics 1 or 31_ | 5 | Anat. 115—Embryology_ | 2 |
| Foreign Language_ | 4-5 | Physics 1 or 31_ | 5 |
| Latin 1—Elementary Latin_ | 5 | Latin 2—Caesar I and II_ | 5 |
| Electives if foreign language and Latin were pursued in high school_ | (10) | Foreign language_ | 4-5 |
| <hr/> | | Electives if foreign language and Latin were pursued in high school_ | (8) |
| 15 | | <hr/> | |
| 15 | | 15 | |

DEGREES

The Medical School grants the degree of Doctor of Medicine to students who complete the requirements of the four-year course leading to this degree.

The College of Letters and Science grants the degree of Bachelor of Science (Medical Science Course) to students who complete two years of prescribed pre-medical work and the first two years of the medical course, and the degree of Bachelor of Arts to students who complete the requirements for this degree and at the same time elect work in the Medical School.

The graduate school offers the degrees of Master of Arts, Master of Science, Master of Public Health, Doctor of Philosophy, and Doctor of Public Health to students who complete the requirements for these degrees in the medical sciences.

DOCTOR OF MEDICINE

The following courses are required for the degree of Doctor of Medicine (M.D.):

BASAL GROUP

Ordinarily taken in the first year of a four-year course. Prerequisite for the Intermediate Group.

| | Course No. | Semester | Lectures | Laboratory | Credits |
|--------------------------|-----------------|----------|-------------|------------|---------|
| | | | Recitations | Hours | |
| Histology_ | Anat. 110 | I | 32 | 112 | 4 |
| Neural Anatomy_ | Anat. 126 | II | 32 | 112 | 4 |
| Gross Anatomy_ | Anat. 121 | yr | 32 | 336 | 12 |
| Physiology_ | Phys. 105 | II | 64 | 96 | 7 |
| Physiology_ | Phys. 105 | I | 32 | | 2 |
| Physiological Chemistry_ | Phys. Chem. 104 | I | 20 | 124 | 4 |
| <hr/> | | | <hr/> | <hr/> | <hr/> |
| | | | 212 | 780 | 33 |

INTERMEDIATE GROUP

Ordinarily taken in the second year of a four-year course. Prerequisite for the Clinical Group.

| | Course No. | Semester | Lectures Recitations | Laboratory Hours | Credits |
|------------------------------------|---------------|---------------------|-------------------------|---------------------|---------|
| Physiology..... | Phys. 106 | I | 32 | | 2 |
| Pathology..... | Path. 101 | I, $\frac{1}{2}$ II | 64 | 192 | 7 |
| Public Health..... | Hyg. 101 | I | 16 | 32 | 2 |
| Bacteriology..... | Bact. 102 | I | 48 | 96 | 4 |
| Pharmacology..... | Pharm. 104-5 | II | 64 | 48 | 4 |
| Physical Diagnosis..... | Med. 110 | I | 32 | 64 | 3 |
| Clinical Laboratory Diagnosis..... | Med. 102 | $\frac{3}{4}$ II | 30 | 90 | 3 |
| Medical Diagnosis..... | Med. 111 | II | 16 | 32 | 2 |
| Surgical Clinics..... | Surg. 102 | II | | 64 | 1 |
| Surgery Elements..... | Surg. 103 | II | 16 | | 1 |
| | | | 318 | 618 | 29 |

Required of candidates for a bachelors' degree: Thesis, 128 laboratory hours (4 cr.)

CLINICAL GROUP

Ordinarily taken in the third year of a four-year medical course. Prerequisite for Preceptorial Group.

| | Course No. | Semester | Lectures Recitations | Laboratory Hours | Credits |
|---------------------------------------|---------------|----------|-------------------------|---------------------|---------|
| Medicine..... | Med. 301 | | | | 12 |
| a) Lectures..... | | yr | 64 | | |
| b) Conferences..... | | yr | 32 | | |
| c) Ward work..... | | yr | | 80 | |
| d) Clinics..... | | yr | | 48 | |
| e) Clin. Path. Conference..... | Path. 301 | yr | | 16 | |
| f) Therapeutics..... | Med. 305 | yr | 48 | | 2 |
| Surgery..... | Surg. 301 | | | | 10 |
| a) Lectures..... | | yr | 64 | | |
| b) Conferences..... | | yr | 32 | | |
| c) Ward work..... | | yr | | 80 | |
| d) Clinics..... | | yr | | 48 | |
| e) Clin. Path. Conference..... | | yr | | 16 | |
| Specialties: | | | | | |
| Obstetrics and Gynecology..... | Surg. 330 | | | | 3 |
| a) Lectures..... | | II | 32 | | |
| b) Demonstrations..... | | II | | 32 | |
| c) Ward work..... | | yr | | 40 | |
| Pediatrics..... | Med. 310 | | | | 1 |
| a) Lectures..... | | I | 32 | | |
| b) Ward work..... | | yr | | 40 | |
| Dermatology..... | Med. 315 | | | | 1 |
| a) Lectures..... | | I | 16 | | |
| Radiology..... | Surg. 320 | | | | 1 |
| a) Lectures..... | | II | 16 | | |
| b) Laboratory..... | | II | | 16 | |
| Urology..... | Surg. 325 | | | | 1 |
| a) Lectures..... | | II | 16 | | |
| Neuro-Psychiatry..... | Med. 312 | | | | 2 |
| a) Lectures..... | | II | 32 | | |
| b) Ward work..... | | yr | | 40 | |
| Ophthalmology and Otolaryngology..... | Surg. 310 | | | | 2 |

| | | | | | |
|----------------------|-----------|----|----|----|---|
| a) Lectures..... | | I | 32 | | |
| b) Ward work..... | | yr | | 20 | |
| Orthopedics..... | Surg. 315 | | | | 1 |
| a) Lectures..... | | II | 16 | | |
| b) Ward work..... | | yr | | 20 | |
| c) Fractures..... | | II | 5 | | |
| Plastic Surgery..... | Surg. 314 | | | | 1 |
| a) Lectures..... | | II | 16 | | |
| Physio-therapy..... | Surg. 316 | | | | 1 |
| a) Lectures..... | | I | 8 | | |
| b) Laboratory..... | | | | 8 | |

The various subjects listed above are given as correlated parts of what constitutes essentially a year's course in the basal elements of clinical medicine.

PRECEPTORIAL GROUP

Ordinarily taken in the fourth year of a four-year medical course. Required for the degree of Doctor of Medicine.

Instruction based on the preceptor system requires at least 48 weeks for completion.

Each student is assigned for given periods to a series of preceptors in medicine, surgery, obstetrics, public health, and the chief medical specialties. During a given period a student is assigned to preceptors in not more than two fields of medicine. Not more than three students are to be assigned to a preceptor for a given period. During this period the student works under the personal supervision of his preceptor and of such assistant or associate preceptors as his preceptor may select. Under this supervision he is expected to aid, as directed, in history taking, making physical examinations, performing laboratory work, looking up literature on special cases, in administering treatment, and in such other ways as may be of benefit. During this period he will be assigned reading covering the broader aspects of the field in which he is working. At the end of the period he is given an examination in this field of work and is asked to write a brief account of the service and of what he has gained from it.

The work is partly specifically required, partly elective.

The work specifically required is as follows:

Medical Quarter: Twelve weeks in internal medicine and the medical specialties: pediatrics, neuro-psychiatry, and dermatology. Six of the twelve weeks are spent at the Wisconsin General Hospital, three in Milwaukee, and three at Mendota. The work of the quarter is arranged as follows:

| | | |
|-----------------------|---------------------------------------|--------|
| Medicine..... | Med. 401, full time 3 weeks, one-half | |
| | time 3 weeks | 4½ cr. |
| Neuro-psychiatry..... | Med. 412, full time 3 weeks..... | 3 cr. |
| Pediatrics..... | Med. 410, one-half time, 6 weeks..... | 3 cr. |
| Dermatology..... | Med. 415, one-half time, 3 weeks..... | 1½ cr. |
| Total..... | | 12 cr. |

But two subjects are to be carried at one time.

Surgical Quarter: Twelve weeks in general surgery; eye, ear, nose and throat work; urology; special therapy; and radiology. This quarter is taken in Madison under preceptors selected from the local faculty of the Medical School.

The work of the quarter is arranged as follows:

| | | |
|---------------------------------|--|--------|
| General Surgery..... | Surg. 401, one-half time, 9 weeks..... | 4½ cr. |
| Eye, Ear, Nose, and Throat..... | Surg. 410, one-half time, 6 weeks..... | 3 cr. |
| Urology..... | Surg. 425, one-half time, 3 weeks..... | 1½ cr. |
| Special Therapy..... | Surg. 416, one-half time, 3 weeks..... | 1½ cr. |
| Radiology..... | Surg. 405, one-half time, 3 weeks..... | 1½ cr. |
| Total..... | | 12 cr. |

Not more than two subjects are to be carried at one time.

Obstetrics: Surg. 406, 3 cr.

Three weeks, two in the Outpatient, one in the Inpatient Department of the Chicago Lying-In Hospital under the general supervision of Dr. J. B. DeLee and his associate, Dr. E. L. Cornell.

Public Health: Hygiene 401, 2 cr.

Two weeks under the general supervision of the State and City Boards of Health. Each student spends one week in the State Laboratory of Hygiene and one week in the offices of the State and City Boards of Health and in field work.

Physical Examinations: 2 cr.

Each student is required to spend two weeks in aiding in making medical and physical examinations of students entering the University at the beginning of the first semester.

Medical Jurisprudence and Medical Ethics: Med. 420, 1 cr.

During the year the student is assigned reading and given an examination on medical jurisprudence and medical ethics.

Specific Elective Work: 12 cr.

ELECTIVE EXTERN QUARTER: Each student may elect work for 12 weeks under the general supervision of an approved preceptor who is in position to provide the student with suitable hospital, laboratory, and library facilities for effective extern work on his service and that of his associates. A member of the staff of a hospital which has the requisite facilities and is willing to provide for such extern service may, with his consent and the approval of the faculty of the medical school, be selected by a student as supervising preceptor for a period of three months. The supervising preceptor may select such associate and assistant preceptors as he believes will add to the welfare of the student during his externship in the service of the preceptor.

SUBSTITUTE ELECTIVES: (a) In place of work as extern under an approved preceptor in an approved hospital, a student may elect to serve as assistant to a general practitioner who has exceptional facilities for introducing the student to the problem of general practice and who has exceptional qualifications for teaching. (b) A student who has given evidence of special ability in scientific research may, with the approval of the Dean of the Medical School, in place of three months' extern hospital service, serve three months in a scientific laboratory under the preceptorship of a scientist of recognized standing.

Free Elective Work: 4 cr.

For four of the 48 weeks of service the student is free to elect any work in the field of medicine which meets the approval of the Dean of the Medical School.

Thesis: As a prerequisite for graduation each student is required to present and defend before a special committee a thesis on some social aspect of medicine, based in part upon personal experience.

BACHELOR OF ARTS

The regular requirements for this degree apply to those students who elect the work of the first year of the medical course during the senior year in the College of Letters and Science.

BACHELOR OF SCIENCE

(Medical Science Course)

Students in the College of Letters and Science who are candidates for this degree are required to take the following studies:

a. English, 6 credits (3 hours a week for a year), to be taken in the freshman year.

b. Foreign language. (1) A knowledge of elementary Latin, i.e., two years of high-school Latin or its equivalent in college. (2) Either the completion of the fourth semester of French or German at the University of Wisconsin with a grade of 80 or above or a certificate of reading knowledge of one of these languages from the appropriate department at the University of Wisconsin. At least two years of work in foreign language shall be taken in college. (If first and second year courses are elected this will mean from 14 to 16 credits.)

c. Courses in physics, chemistry, biology, and the medical sciences as outlined in the requirements of the Medical School. The requirement made of candidates for the degree of Bachelor of Arts that six credits shall be elected in history or eight in mathematics does not apply to candidates for the degree of Bachelor of Science (Medical Science Course).

d. The "credit" is the standard for computing the amount of work required for graduation. This is equivalent to one hour of recitation or lecture per week for one semester. Students are expected to take 15 credits per week in recitations, lectures and laboratory work, making 30 credits per year, and 120 for the course. In addition work in physical education or military science is required.

No student will be permitted to receive credit toward graduation for more than 18 credits in one semester in regular studies except by permission of the faculty obtained in advance.

e. Thesis—All candidates for a baccalaureate degree in the Medical School are required to present a graduating thesis, the subject of which must be approved by the student's adviser and the chairman of the department of his major. The thesis must represent some phase of the student's work in the major study and must have the character of a scholarly dissertation on the subject.

MASTER OF SCIENCE AND DOCTOR OF PHILOSOPHY

Graduates of the University of Wisconsin or four-year courses of study in any approved university or college who matriculate in the Medical School

may at the same time register in the Graduate School as candidates for the degree of Master of Science under the following conditions:

1. They shall make application to the Dean of the Graduate School at least seven months prior to the date at which the examinations for the degree are to take place.

2. At the time of application they shall present evidence of having completed such an amount of preliminary work in one of the basal sciences of medicine as will entitle them to take more advanced work in this science than is required in the regular medical curriculum.

3. During the period of at least one academic year, advanced work of this character shall be pursued under the direction of an instructor in the department in which the study is taken. This shall count as a major subject. The regular courses in the medical curriculum shall count as minor subjects.

4. On or before June 1 of the year in which the degree is to be conferred, the candidate must file with the Dean of the Graduate School a thesis approved by the instructor under whom his major has been taken. After the thesis has been submitted, the candidate must sustain an oral examination upon the graduate work offered in support of his candidacy.

The degree of Doctor of Philosophy will be conferred under the usual conditions for this degree upon students registered in the Medical School.

MASTER OF PUBLIC HEALTH AND DOCTOR OF PUBLIC HEALTH

Candidates for the degree of Master of Public Health must fulfill the following requirements: (1) They must be doctors of medicine from schools approved by the Executive Committee of the Medical School as maintaining adequate standards for both academic and professional training. (2) They must complete one year of graduate work in residence at the University of Wisconsin, covering such special subjects as shall be prescribed by the Executive Committee. (3) They must present a thesis acceptable to the Executive Committee. (4) They must be assigned outside practice in board of health work by arrangement with the Executive Committee. (5) They must satisfy the Executive Committee as to their proficiency by examination.

The degree of Doctor of Public Health (Dr.P.H.) is open to holders of the degree of Doctor of Medicine from medical schools recognized as maintaining satisfactory standards. Candidates for the degree of Dr.P.H. are expected to cover here, or elsewhere, the special work prescribed for the degree of Master of Public Health and must spend at least two years in the study of sciences related to hygiene and public health, subsequent to the regular medical course. Two or more years of practical work as a health officer may be substituted for one of these years. The last of these years must be spent at Wisconsin and must be devoted chiefly to work upon a special subject leading to a thesis containing some original research acceptable to the Executive Committee of the Medical School. The major work leading to the thesis shall be accompanied by minor work in at least one other department. A final oral examination shall be given by a committee appointed by the Dean of the Graduate School.

PERSONAL ADVISER FOR STUDENTS

Premedical students are assigned to the Assistant Dean for approval as to choice of courses preparatory for medicine. Medical students are required to

have the approval of the Dean of the Medical School as to choice of courses leading to the B.S. degree (Medical Science Course) and to the M.D. degree. The Assistant Dean assigns each premedical, the Dean each medical student, to a member of the faculty who acts as a special personal adviser for that student. The premedical and medical courses are sufficiently difficult to require the full time of an intelligent student when in residence. Students who are not provided with enough funds sometimes spend so much time in outside work as to make it impossible for them to do justice to their professional studies. In many cases it would be better for such a student to reduce his scholastic schedule below the average and take more time to complete his curriculum, or to borrow money rather than to spend so much time in self-support. It is a function of an adviser to give counsel to students and parents in matters of this kind as well as in general to be a friend to the student assigned to him.

DEPARTMENTS OF INSTRUCTION

For a description of the courses in botany, zoology, chemistry, physics, psychology, climatology, and languages, see departmental announcements in the College of Letters and Science.

ANATOMY

PROFESSOR SULLIVAN (Chairman), MILLER (Emeritus), BARDEEN

ASSOCIATE PROFESSOR BAST

ASSISTANT PROFESSORS GEIST, MOSSMAN

INSTRUCTORS FRANSEEN, SINCLAIR

STUDENT ASSISTANTS BEATTY, GELDER, HELLEBRANDT, HULL, LANGE, MARQUART

A group of courses intended to offer a comprehensive view of the gross and microscopic anatomy and the embryology of mammals with especial reference to man, is given in this department. In addition, opportunities are offered for advanced work and research in anatomy and for a study of some of the lower animal types of special interest in medicine. The laboratory is thoroughly equipped with apparatus, models, books, and materials for advanced as well as elementary work.

For those prepared to carry on advanced research, special laboratory facilities are provided.

FOR UNDERGRADUATES AND GRADUATES

39. PHYSICAL EDUCATION ANATOMY. I; 4 cr. Lectures and laboratory work for students of physical education. Prerequisite: Biology 1. Lab. fee \$5.00. Dr. Bardeen.
110. HISTOLOGY AND ORGANOLOGY. I; 4 cr. The study of the tissues, histology, followed by the study of the minute structure of the mammalian organs. Prerequisites: Junior standing, Biology 1. Lab. fee \$12.00; deposit \$5.00. Dr. Bast, Dr. Geist, and staff.
115. MAMMALIAN EMBRYOLOGY. II; 2 cr. The development of the pig is studied by means of dissection and the use of microscopic preparations. Human embryology is studied from sections, special preparations, and models. Prerequisite: Biology 1. Lab. fee \$5.00. Dr. Bardeen, Dr. Mossman.
120. HUMAN ANATOMY. II; 6 cr. For students of physical education. Prerequisite: Biology 1. Lab. fee \$5.00. Dr. Bardeen.
121. HUMAN ANATOMY. Yr; 12 cr. In this course a thorough training is offered in the dissection of the human body and in descriptive human anatomy. Prerequisites: Junior standing, Biology 1. Lab. fee I, \$15.00; II, \$15.00. Dr. Bardeen, Dr. Sullivan.
122. TOPOGRAPHICAL ANATOMY. Yr; 2-4 cr. This course is offered in two forms. One may either study frozen sections and special preparations or make a second dissection of the human body. Prerequisite: Anatomy 121. Lab. fee \$5.00-\$10.00. Dr. Sullivan.

123. SPECIAL HUMAN ANATOMY. Those qualified to do independent work may make special arrangement for the study of human anatomy.
126. NEURAL ANATOMY. II; 4 cr. This course consists of dissection of the human brain, and a study of the microscopic anatomy of the central nervous system and sense organs. Prerequisite: Anatomy 110. Lab. fee \$12.00; deposit \$5.00. Dr. Geist, Dr. Bast.
130. ADVANCED ANATOMY. Opportunity for advanced study in the field of human and comparative anatomy, gross and microscopic, in embryology and experimental morphology, and in laboratory technique is offered to properly qualified students. Under the direction of various members of the staff.
131. HISTORICAL SEMINARY. II; 1 cr. Dr. Miller.

FOR GRADUATES

235. INVESTIGATION UNDER DIRECTION. To qualified students the department is prepared to offer problems for investigation and training in methods of research. Special arrangements for this work may be made with the individual members of the staff.
240. INDEPENDENT INVESTIGATIONS. The department welcomes independent investigators who wish to make use of its facilities for conducting research in anatomy.

HYGIENE

In conjunction with the staffs of the State Laboratory of Hygiene, the Wisconsin Psychiatric Institute, the State Board of Health, and the Boards of Health of the cities of Milwaukee and Madison, courses in hygiene are offered by members of the Faculty of the Medical School under the general supervision of Professors Clark and Stovall.

FOR UNDERGRADUATES

5. DISEASE PREVENTION. II; 2 cr. The more important aspects of personal and public hygiene; designed especially for students who desire a knowledge of how to promote their own health and that of the community. Dr. Clark.

FOR GRADUATES AND UNDERGRADUATES

101. PUBLIC HEALTH. I; 2 cr. Lectures and field work for medical students. Given in conjunction with Bacteriology 102. Prerequisite: Second year medical standing. Dr. Clark, Dr. Harper, Dr. Stovall.
102. BACTERIOLOGY FOR HEALTH OFFICERS. I; 4 cr. Given in conjunction with medical bacteriology but with special work in the State Laboratory of Hygiene and some special lectures. Lab. fee \$15.00. Dr. Clark, Dr. Stovall.
106. PHYSIOLOGY FOR HEALTH OFFICERS. II; 5 cr. Given in conjunction with Courses 105 and 107 in medical physiology but with special reference to the needs of health officers. Special topics in respiration, dietetics, chemistry of food, air, water, sewage, etc. Dr. Eyster, Dr. Dawson.

401. PRACTICAL FIELD WORK. I or II; 2 cr. Prerequisite: fourth year medical standing.

MEDICINE

GENERAL MEDICINE

PROFESSOR EVANS (Chairman)

PROFESSOR OF CLINICAL MEDICINE VAN VALZAH.

ASSOCIATE PROFESSORS OF MEDICINE MIDDLETON, SEVRINGHAUS

ASSOCIATE PROFESSORS OF CLINICAL MEDICINE BLANKINSHIP, MORRIS

CLINICAL ASSOCIATE KAY

INSTRUCTORS BENTLEY, MCKINLEY, SPRAGUE, WESTON

110. PHYSICAL DIAGNOSIS. I; 3 cr. Normal physical diagnosis. Prerequisites: Anatomy 110, 115, 121, 126; Physiology 105. Lab. fee \$5.00. Dr. Van Valzah.
111. MEDICAL DIAGNOSIS. II; 2 cr. Pathological clinical diagnosis. Prerequisites: One semester each of Pathology 101, Bacteriology 102, Medicine 110. Lab. fee \$5.00. Dr. Van Valzah.
118. PHYSICAL EXAMINATIONS. II; 3 cr. For students in physical education. Prerequisites: Anatomy 39 and 120; Physiology 115. Lab. fee \$5.00. Dr. Morris.
301. THIRD YEAR MEDICINE. Yr; 12 cr. Lectures, clinics, conferences, and ward work. Prerequisites: Medicine 102, 110, 111; Surgery 102, 103. Lab. fee \$25.00. Dr. Evans, Dr. Middleton, and staff.
302. ADVANCED WORK AND RESEARCH. Credit according to work done.
305. THERAPEUTICS. I and II; 1 cr. Prerequisites: Medicine 102, 111. Given in conjunction with Department of Pharmacology. Dr. Evans and staff.
306. ADVANCED WORK AND RESEARCH IN THERAPEUTICS. Credit according to work done. Given in conjunction with Department of Pharmacology.
401. FOURTH YEAR MEDICINE. I or II; 4½ cr. Prerequisites: Medicine 301; Surgery 301.

CLINICAL PATHOLOGY

PROFESSOR STOVALL

INSTRUCTORS JACKSON, NELSON

102. CLINICAL LABORATORY DIAGNOSIS. II; 3 cr. Prerequisites: Bacteriology 102; Pathology 101; Physiological Chemistry 104. Lab. fee \$10.00. Dr. Stovall and staff.

DERMATOLOGY

PROFESSOR FOERSTER

ASSISTANT PROFESSOR McINTOSH

ASSOCIATE H. R. FOERSTER

315. DERMATOLOGY. I; 1 cr. Prerequisites: Medicine 102, 111.
316. ADVANCED WORK AND RESEARCH. Credit according to work done.
415. FOURTH YEAR DERMATOLOGY. I or II; 1½ cr. Prerequisite: Medicine 315.

Through the courtesy of Dr. O. H. Foerster and Dr. H. R. Foerster of Milwaukee this course is given in Milwaukee. Through the courtesy of the directors of the Milwaukee City Dispensary, this work is in part carried on there.

MEDICAL JURISPRUDENCE AND MEDICAL ETHICS

420. MEDICAL JURISPRUDENCE AND MEDICAL ETHICS. 1 cr. Assigned reading and examination.

NEURO-PSYCHIATRY

PROFESSOR LORENZ

ASSISTANT PROFESSORS BLECKWENN, REESE

INSTRUCTOR GIBSON

112. PROBLEMS IN NEURO-PSYCHIATRY. Credit according to work done. Dr. Lorenz and staff.
312. NEURO-PSYCHIATRY FOR THIRD YEAR MEDICAL STUDENTS. II; 2 cr. Prerequisites: One semester of Medicine 301 and Surgery 301. Dr. Lorenz and staff.
412. NEURO-PSYCHIATRY FOR FOURTH YEAR MEDICAL STUDENTS. I or II; 3 cr. Prerequisite: Medicine 312.

PEDIATRICS

ASSISTANT PROFESSORS GONCE, TENNEY

310. PEDIATRICS. I; 1 cr. Prerequisites: Medicine 102, 111.
410. FOURTH YEAR PEDIATRICS. I or II; 3 cr. Prerequisite: Medicine 310.

Through the courtesy of the Board of Directors and of the Medical Staff of the Children's Hospital of Milwaukee, each fourth year student is given three weeks' special training in pediatrics at this hospital. This work is given by members of the staff of the hospital. Dr. A. J. Kastner is at present Chief of Staff.

PATHOLOGY AND MEDICAL BACTERIOLOGY

PROFESSORS BUNTING (Chairman), CLARK

ASSISTANT PROFESSOR CROMWELL

INSTRUCTORS CORR, GILLETTE, HOLFORD, MCKINNON

ASSISTANTS CLARK, MCBAIN

• FOR UNDERGRADUATES AND GRADUATES

101. GENERAL PATHOLOGY. I, ½ II; 7-8 cr. The principles of general human pathology and the essentials of pathological anatomy. The laboratory ex-

ercises are devoted mainly to a study of pathological histology and to demonstrations of gross morbid specimens. Prerequisites: Anatomy 110, 115, 126. Lab. fee I, \$15.00; II, \$5.00. Dr. Bunting and staff.

102. MEDICAL BACTERIOLOGY. I; 4 cr. This course, which is especially designed for medical students, considers the bacteria and protozoa that are chiefly concerned in the production of disease processes. Weekly lectures in immunology. Prerequisites: Chemistry 1, Biology 1. Lab. fee \$17.00. Dr. Clark, Dr. Cromwell, Miss Holford.
103. EXPERIMENTAL PATHOLOGY. II; 4 cr. In this course by suitable experiments the work of Course 101 is supplemented and elaborated. It may be taken for thesis credit. Prerequisites: Anatomy 110, 115, 126. Dr. Bunting.
104. IMMUNOLOGY. II; 2-4 cr. May be taken as a thesis course. It includes experimental work with all of the known antibodies and weekly conferences on the fundamental theories of immunology. Open to a limited number of students who have completed Bacteriology 102. Dr. Cromwell, Dr. Clark.
106. ADVANCED BACTERIOLOGY. I or II; credit by arrangement. Dr. Clark or Dr. Cromwell.
108. BACTERIOLOGY JOURNAL CLUB. Yr; 1 cr. Dr. Clark.
109. IMMUNOLOGY SEMINAR. II; 1 or 2 cr. Dr. Clark.

FOR GRADUATES

204. ADVANCED PATHOLOGY. II; credit by arrangement. Dr. Bunting.
301. CLINICAL PATHOLOGICAL CONFERENCES. Yr; given as a part of Medicine 301. Dr. Bunting and members of medical and surgical staffs.

Microscope deposit fee for all courses \$5.00.

PHARMACOLOGY AND TOXICOLOGY

PROFESSOR LOEVENHART (Chairman)
ASSOCIATE PROFESSOR LEAKE
ASSISTANT PROFESSOR MUEHLBERGER
RESEARCH PHARMACOLOGIST THOMAS

Elementary and advanced courses in pharmacology and toxicology are offered in this department. For the elementary courses a previous training in physiological chemistry and physiology is required. The advanced courses are open to those who have had adequate elementary training. The laboratory is specially fitted for research in chemotherapy.

FOR GRADUATES AND UNDERGRADUATES

101. TOXICOLOGY. II; 1 cr. Prerequisites: Physiology 105, Physiological Chemistry 104. Lectures in the general action of toxic drugs, on diagnosis of poisoning, treatment and the mode of conducting an autopsy

when the tissues are to be subsequently examined chemically in medico-legal cases. Dr. Loevenhart, Dr. Muehlberger.

104. PHARMACOLOGY. II; 2 cr. Prerequisites: Physiology 105, Physiological Chemistry 104. Lectures on the chemistry, the pharmacological and toxicological action, and the therapeutic uses of the chief medicinal drugs. Practice in prescription writing. Dr. Loevenhart, Dr. Leake.
105. PHARMACOLOGY. II; 2 cr. Prerequisites: Physiology 105, Physiological Chemistry 104. Laboratory course. Experimental studies on the action of drugs. Lab. fee \$16.00; deposit \$2.00. Staff.
108. ADVANCED WORK. Those qualified to undertake advanced work and research in pharmacology and toxicology may make arrangements for conducting such work under the supervision of Dr. Loevenhart and Dr. Leake. May be taken for thesis credit. Lab. fee \$5.00.
116. HISTORY OF MEDICINE. II; 1 cr. Dr. Leake.
120. JOURNAL CLUB. Yr. A meeting of the Journal Club is held weekly. Advanced students will be expected to report from time to time upon current papers dealing with pharmacology and toxicology.

FOR GRADUATES

261. INDEPENDENT INVESTIGATION. To any one qualified to carry on work of this character the facilities of the laboratory are available.

PHYSIOLOGICAL CHEMISTRY

PROFESSOR BRADLEY (Chairman)
 ASSISTANT PROFESSOR WITZEMANN
 INSTRUCTOR BAERNSTEIN
 ASSISTANTS CLARK, ROTTER

FOR UNDERGRADUATES AND GRADUATES

104. PHYSIOLOGICAL CHEMISTRY. I; 4 cr. Lectures, conferences, and laboratory work. Required for first year medical students and open to others as an elective. Prerequisites: Chemistry 1 and 20 or 120, Physics 1, Biology 1. Lab. fee \$20.00, deposit \$5.00. Dr. Bradley, Dr. Witzemann.
116. PHYSIOLOGICAL CHEMISTRY. I; 3 cr. Lectures, conferences, and laboratory work. Required of juniors in physical education and open to others as an elective. Prerequisites: Chemistry 1, Physics 1, Biology 1. Lab. fee \$12.00, deposit \$5.00. Dr. Bradley.
117. ADVANCED PHYSIOLOGICAL CHEMISTRY AND RESEARCH. II; credit by arrangement. Lab. fee \$15.00, deposit \$5.00. Dr. Bradley, Dr. Witzemann.
120. JOURNAL CLUB. Yr; 1 cr. Dr. Bradley.

FOR GRADUATES

222. SEMINAR IN PHYSIOLOGY, PHARMACOLOGY AND PHYSIOLOGICAL CHEMISTRY. Yr; 1 cr.

PHYSIOLOGY

PROFESSORS MEEK (chairman), EYSTER
 ASSOCIATE PROFESSOR DAWSON
 INSTRUCTORS EMERY, HANEY, POMMERENKE, STALEY, VICKERS

FOR UNDERGRADUATES

1. ELEMENTS OF HUMAN PHYSIOLOGY. I; 4 cr. Lab. fee \$3.00. Lectures, quizzes and demonstrations giving a general knowledge of the structure and functions of the human body, especially adapted to teachers. Students electing this course should have some chemistry. Dr. Meek.
3. ANIMAL PHYSIOLOGY. II; 4 cr. Especially designed for students in agriculture and physical education for men, but open to others. Lab. fee \$3.00. Dr. Meek and assistants.
4. PHYSIOLOGY, BACTERIOLOGY AND HYGIENE. I or II; 6 cr. Lab. fee \$5.00. Open only to students in the course in nursing. Mr. McCrea.

FOR UNDERGRADUATES AND GRADUATES

105. MEDICAL PHYSIOLOGY. I, 2 cr; II; 7 cr. Lectures, recitations, demonstrations and laboratory. Required of first year medical students and open to others as an elective. Prerequisites: Anatomy 110, 121 (Comparative or human anatomy), 126; Physiological Chemistry 104. Lab. fee \$17.00, deposit \$1.00. Dr. Meek, Dr. Eyster.
106. MEDICAL PHYSIOLOGY. I; 2 cr. Prerequisite: Physiology 105. Required of second year medical students. Dr. Meek, Dr. Eyster.
115. PHYSIOLOGY. Yr; 10 cr. Lectures, recitations, demonstrations, and laboratory. Required of juniors in physical education for women and open to others as an elective. Prerequisites: Comparative anatomy, physiological chemistry. Lab. fee \$15.00, deposit \$2.00. Dr. Dawson, Miss Staley.
118. ADVANCED PHYSIOLOGY AND RESEARCH. Yr; credit according to work done. Lab. fee \$5.00. Dr. Eyster, Dr. Meek, Dr. Dawson.
120. JOURNAL CLUB. Yr; 1 cr. Reports of recent physiological and biochemical literature. Dr. Meek.
121. HISTORY OF PHYSIOLOGY. I; 2-5 cr. Prerequisite: Physiology 105 or 115. Dr. Dawson.

FOR GRADUATES

222. SEMINARY IN PHYSIOLOGY, PHARMACOLOGY, AND PHYSIOLOGICAL CHEMISTRY. Yr; 1 cr.

SURGERY

GENERAL SURGERY

Wisconsin General Hospital Staff

PROFESSOR SCHMIDT (Chairman)
 ASSISTANT PROFESSOR GALE
 INSTRUCTORS BENTLEY, FOCKE

ASSOCIATE STAFF

Madison General Hospital

CLINICAL PROFESSOR T. W. TORMEY

CLINICAL ASSOCIATES A. G. SULLIVAN, E. S. SULLIVAN, A. R. TORMEY

Methodist Hospital

CLINICAL PROFESSOR R. H. JACKSON

CLINICAL ASSOCIATE J. A. JACKSON

St. Mary's Hospital

CLINICAL PROFESSOR J. DEAN

CLINICAL ASSOCIATE J. P. DEAN

102. SURGICAL CLINICS. II; 1 cr. Prerequisites: Anatomy 121; Pathology 101, 1; Physiology 106. At the Wisconsin General, Madison General, Methodist, and St. Mary's Hospitals.
103. ELEMENTS OF SURGERY. II; 1 cr. Prerequisites: Anatomy 121; Pathology 101, 1; Bacteriology 102; Physiology 106. Dr. Schmidt.
301. SURGERY FOR THIRD YEAR MEDICAL STUDENTS. Yr; 10 cr. Lectures, conferences, ward work, and clinics. Prerequisites: Medicine 110, 111; Surgery 102, 103. Lab. fee \$25.00. Dr. Schmidt and staff.
302. ADVANCED WORK AND RESEARCH. Credit according to work done.
401. SURGERY FOR FOURTH YEAR MEDICAL STUDENTS. I or II; 4½ cr. Prerequisites: Medicine 301, Surgery 301.

OBSTETRICS AND GYNECOLOGY

ASSISTANT PROFESSORS HARPER, SCHNEIDERS

CONSULTANT DAVIS

330. OBSTETRICS AND GYNECOLOGY. II; 3 cr. Prerequisites: Medicine 301, I; Surgery 301, I. Lab. fee \$5.00.
331. ADVANCED WORK IN RESEARCH. Credit according to work done.
406. FOURTH YEAR OBSTETRICS. I; 3 cr. Prerequisite: Surgery 330.

Through the courtesy of the Directors of the Chicago Lying-In Hospital and of Dr. J. B. DeLee and Dr. E. L. Cornell, this course is given in Chicago.

OPHTHALMOLOGY

PROFESSOR DAVIS

ASSOCIATE PROFESSOR NEFF

- 310A. OPHTHALMOLOGY. I; 1 cr. Prerequisites: Medicine 110, 111; Surgery 102, 103. Lab. fee \$2.50. Dr. Davis and staff.
- 311A. ADVANCED WORK AND RESEARCH. Credit according to work done. Dr. Davis and staff.

- 410A. FOURTH YEAR OPHTHALMOLOGY. I or II; 3 cr. Prerequisite: Surgery 311A.

RHINOLOGY, LARYNGOLOGY, AND OTOTOLOGY

ASSOCIATE PROFESSORS NESBIT, BOWER

- 310B. RHINOLOGY, LARYNGOLOGY, AND OTOTOLOGY. I; 1 cr. Prerequisites: Medicine 110, 111; Surgery 102, 103. Lab. fee \$2.50

ORTHOPEDIC AND PLASTIC SURGERY

PROFESSORS GAENSLEN, BROWN
ASSOCIATE PROFESSOR SCHUMM
ASSISTANT PROFESSOR BURNS
INSTRUCTOR HYSLOP

315. ORTHOPEDICS. II; 1 cr. Prerequisites: Medicine 301, I; Surgery, 301, I; 310A, 310B. Includes five lectures on fractures.
314. PLASTIC SURGERY. II; 1 cr. Prerequisites: Medicine 301, I; Surgery 301, I; 310A, 310B.

PHYSIO-THERAPY

PROFESSOR ELSOM

316. PHYSIO-THERAPY, including MECHANO-THERAPY, HELIO-THERAPY, ELECTRO-THERAPY AND HYDRO-THERAPY. II; 1 cr. Prerequisites: Medicine 301, I; Surg. 301, I.
317. ADVANCED WORK AND RESEARCH. Credit according to work done.
416. PHYSIO-THERAPY FOR FOURTH YEAR MEDICAL STUDENTS. I or II; 1½ cr. Prerequisite: Surgery 316.

RADIOLOGY

PROFESSOR POHLE*
LECTURER HODGES, CLINICAL ASSOCIATE SISK
TECHNICIAN LINDBERG

104. X-RAY TECHNIQUE. Credit to be arranged. Lab. fee \$5.00.
320. RADIOLOGY. II; 1 cr. Prerequisites: Medicine 301, I; Surgery 301, I. Lab. fee \$5.00.
405. FOURTH YEAR RADIOLOGY. I or II; 1½ cr. Prerequisite: Surgery 320.

*On leave of absence, 1927-28.

UROLOGY

ASSOCIATE PROFESSOR SISK

325. UROLOGY. II; 1 cr. Prerequisites: Medicine 301, I; Surgery 301, I.
326. ADVANCED WORK AND RESEARCH. Credit according to work done.
425. UROLOGY FOR FOURTH YEAR MEDICAL STUDENTS. I or II; 1½ cr. Prerequisite: Surgery 325.

FEES AND EXPENSES

College of Letters and Science and Medical School

| | |
|---|---------|
| Resident tuition | Free |
| Nonresident tuition, per semester..... | \$62.00 |
| Incidental fees for all students, per semester..... | 15.50* |
| General fee, Summer Session | 22.00 |

*This includes an infirmary fee of \$3.50.

LABORATORY FEES

| | Fee | Deposit |
|--|---------|---------|
| Anatomy 115, 122, each | \$ 5.00 | |
| Anatomy 110 | 12.00 | \$ 5.00 |
| Anatomy 121, per semester, | 15.00 | |
| Anatomy 126 | 12.00 | 5.00 |
| Medicine | | |
| Clinical Laboratory Diagnosis 102..... | 10.00 | |
| Normal Physical Diagnosis 110..... | 5.00 | |
| Pathological Physical Diagnosis 111..... | 5.00 | |
| Third Year Medicine 301..... | 25.00 | |
| Pathology 101, first semester..... | 15.00 | |
| Pathology 101, second semester..... | 5.00 | |
| Medical Bacteriology 102..... | 20.00 | 5.00 |
| Pharmacology 105 | 16.00 | 2.00 |
| Physiology 3 | 3.00 | |
| Physiology 105 | 17.00 | 1.00 |
| Physiology 115 | 15.00 | 2.00 |
| Physiological Chemistry 104..... | 20.00 | 5.00 |
| Physiological Chemistry 114..... | 14.00 | 5.00 |
| Physiological Chemistry 117..... | 15.00 | 5.00 |
| Surgery | | |
| Obstetrics 330 | 5.00 | |
| Ophthalmology 310 | 5.00 | |
| Radiology 320 | 5.00 | |
| Third Year Surgery 301 | 25.00 | |
| Thesis, all departments | 5.00 | |

BOARD AND ROOM

Rooms, furnished and unfurnished, can be obtained in the city at prices per week ranging from \$2.50 to \$6.00 a person. The cost of board in clubs is from \$5.00 to \$7.00 per week; in private boarding houses and cafeterias from \$6.50 to \$8.50 a week. Many students obtain room and board in families or clubs by rendering services, but these places are eagerly sought for and cannot always be obtained at once. Those dependent upon themselves for support should not come to the University unless they have a reasonable reserve fund.

For fourth year medical students special provisions for rooms are made both at Madison and for the extra-mural work. Consult Dr. R. C. Buerki, Superintendent, Wisconsin General Hospital.

SCHOLARSHIPS

For scholarships see General Bulletin of College of Letters and Science.

STUDENTS MARTICULATED 1926-27

FIRST YEAR

| | |
|------------------------------------|------------------------|
| Armbruster, John L. | Milwaukee |
| Bachhuber, Francis G. | Mayville |
| Barnes, Harry A. | Milwaukee |
| Beatty, Harry P. | Birmingham, Alabama |
| Bebbe, De Witt C. | Sparta |
| Behrens, Herbert C. E. | Cedarburg |
| Blady, John V. | West Allis |
| Burdon, Thomas S. | Green Bay |
| Campbell, William G. ³ | Delavan |
| Casey, James D. | Madison |
| Cheli, Clement F. ³ | Calumet, Michigan |
| Cmeyla, John L. ³ | Kewaunee |
| Collins, Royden F. ³ | Wautoma |
| Cummings, Earl F. ² | Hawkins |
| Davis, Milton P. | Milton |
| Dean, Joseph C. | Madison |
| Dewey, Parker F. | Mukwanago |
| Dollard, James E. | Madison |
| Driessen, Sherburn M. ³ | Marion |
| Elkins, Oscar M. | Racine |
| Epstein, Ely | Milwaukee |
| Fein, Norman N. | Milwaukee |
| Fox, G. William | Madison |
| Fox, Meyer S. | Milwaukee |
| Frechette, Francis M. | Wisconsin Rapids |
| Friske, Oscar W. | Sparta |
| Fuhlbrigge, Arthur A. | Madison |
| Fuszard, Melvin C. ³ | Antigo |
| Gopadze, Illarion ¹ | Madison |
| Green, Frank C. | Milton |
| Hahn, Anthony C. J. | Watertown |
| Hand, O. Robert | Minneapolis, Minnesota |
| Harris, Arthur J. | Superior |
| Hatfield, Leslie W. ³ | Madison |
| Herbert, William T. | La Crosse |
| Hull, Harmon H. | Waupun |
| Hutter, Adolph M. | Fond du Lac |
| Icks, Karl | Green Bay |
| Kaska, Gordon J. | East Troy |
| Keenan, Margaret | Madison |
| Kleinpell, Walter C. | Madison |
| Knoefel, Peter K. | Terre Haute, Indiana |
| Krehl, W. Homer | Madison |
| Kroyer, Theodore J. | Oshkosh |

| | |
|------------------------------------|-------------------------|
| Lavine, Israel | Superior |
| Lawlah, John W. | Bessemer, Alabama |
| Lechause, Ralph M. | Newark, New Jersey |
| Lee, Earl R. | Cashton |
| Lee, Howard J. ³ | Milwaukee |
| Lemmer, Kenneth E. | Spooner |
| Lilygren, Stella I. ¹ | Madison |
| Marcarian, Garabed ³ | South Milwaukee |
| Margoles, Maxon E. | Milwaukee |
| Marquart, Philip B. | Milton Junction |
| Marshall, Wallace S. ³ | Appleton |
| McDonough, Kenneth B. | Toledo, Ohio |
| Moffatt, J. Stuart | Arpin |
| Niebuhr, William A. | La Crosse |
| Norcross, John R. ³ | Highland Park, Illinois |
| Overgard, Albon | Cashton |
| Overton, James B. | Madison |
| Owen, George C. | Racine |
| Parker, W. Howard ¹ | Byron, Minnesota |
| Pescor, Michael J. | Hibbing, Minnesota |
| Petty, Louise E. | Clinton, Iowa |
| Quisling, Abraham | Madison |
| Ramlow, Leonard W. | Milwaukee |
| Reznichuk, Cyrus G. | Antigo |
| Rieck, Mildred A. ³ | Chicago, Illinois |
| Risteen, Wilford A. | Chippewa Falls |
| Rogazin, Dinah ³ | Madison |
| Rotter, Israel I. | Milwaukee |
| Samosky, Bernhard | Milwaukee |
| Sarff, Charles T. ³ | Shullsburg |
| Schindler, John A. | New Glarus |
| Seager, Lloyd D. | Madison |
| Shulak, Isadore I. | Detroit, Michigan |
| Springberg, Joseph C. | Madison |
| Steel, Marcella R. | Milwaukee |
| Stiles, John A. | Lake Mills |
| Stubenvoll, Harvey C. ³ | Shawano |
| Taylor, Gurney | White Fish Bay |
| Theisen, Harold J. ² | Slinger |
| Tuft, Warren R. ¹ | Milwaukee |
| Urban, Walter J. | Madison |
| Vogel, Henry E. | Superior |
| Wagner, David | Bloomville |
| Waterman, Irl L. | Suring |
| Watson, Eldon L. | Madison |
| Weissmiller, Lester L. | Monticello |
| Weiss, Richard G. ³ | Madison |
| White, Walter R. ³ | Milwaukee |
| Willett, Dean | West Allis |
| Williams, David L. | Madison |

Wirka, Herman W.²
 Wiswell, Clifford Y.
 Zelesnick, Carl

Madison
 Elkhorn
 Philadelphia, Pennsylvania

¹Repeating year.

²Completing year.

³Withdrew during year.

SECOND YEAR

Andersen, Oswald N.
 Anderson, William M.
 Ansfield, David J.
 Atwood, David C.
 Bachhuber, Harold A.
 Bachhuber, Hugo M.
 Backus, Charlotte C.
 Backus, Otto A.
 Berwanger, Willard J.
 Bingham, Elmer M.
 Birkbeck, Norman J.
 Birnbaum, Isadore R.
 Blum, Otto S.
 Boudry, Marshall O.
 Brady, Anne L.
 Burch, Hobart A.
 Burpee, George F.
 Caldwell, Ruth
 Cole, Llewellyn R.
 Connell, John H.
 Conway, James P.³
 Curless, Grant R.
 Davis, Lawrence C.
 Dawson, George W.
 Dedrick, Martha L.
 Deerhake, Homer G.
 Duehr, Peter A.
 Dulmes, Abraham
 Eagleburger, L. Sidney
 Edwards, Paul K.
 Emanuel, Karl W.
 Evans, Albert E.
 Fenton, Harry E.
 Finn, Walton C.
 Folsom, Hugh E.
 Franseen, Clifford C.
 Furlong, Thomas F.
 Gronlund, Anna A.
 Haney, Hance F.

Madison
 Phillips
 Milwaukee
 Madison
 Juneau
 Medford
 Milwaukee
 Milwaukee
 Oak Park, Illinois
 Milton
 Gratiot
 Milwaukee
 Monticello
 Fond du Lac
 Early, Iowa
 Ashland
 Janesville
 St. Croix Falls
 Milwaukee
 Beloit
 Wisconsin Rapids
 Walworth
 Richland Center
 Dalhart, Texas
 Manitowoc
 St. Mary's, Ohio
 Hayward
 Adell
 Madison
 Lancaster
 Shawano
 Racine
 Marshfield
 Santa Ana, California
 Fond du Lac
 Frederic
 Milwaukee
 Merrill
 Westfield

| | |
|------------------------------|------------------------|
| Hansen, Arthur C. | Racine |
| Harris, John J. | Cuba City |
| Henke, Sam L. | Baraboo |
| Henry, Merlyn G. | Shullsburg |
| Hill, N. Alfred ³ | Madison |
| Hinckley, Robert G. | Madison |
| Hoel, Kenneth P. | Baldwin |
| Horwitz, Harry | Oshkosh |
| Hurwitz, Ben L. | Milwaukee |
| Janssen, Frank J. | Green Bay |
| Jorgenson, Milton C. | Sisseton, South Dakota |
| Kandel, Ernestine | Oconto |
| Katz, Samuel D. | Marinette |
| Kehr, Edwin F. | Watertown |
| Kohl, Martha | Marshfield |
| Korfmacher, Edwin S. | Cottage Grove |
| Laird, James A. | Madison |
| Lange, Eugene W. | Cedarburg |
| Lapp, Harry D. | Windsor |
| Law, Stanley G. | Ashland |
| Leinfelder, Placidus J. | La Crosse |
| McBain, L. Bernard | Madison |
| McGuire, Leo J. | Waunakee |
| Merar, Thomas J. | Marinette |
| Miller, Harold | Milwaukee |
| Nammacher, Herman T. | Oconomowoc |
| Oppel, Theodore W. | Madison |
| O'Shea, Katharine G. | Madison |
| Pearson, Carlyle R. | Madison |
| Pollack, Saul K. | Chicago, Illinois |
| Pommerenke, Wesley T. | Clay Center, Kansas |
| Powers, Kenneth V. | Cudahy |
| Prien, Edwin L. | Madison |
| Quade, Raymond H. | Kewaskum |
| Rau, Gerald A. | Two Rivers |
| Rikkers, Donald F. | Waupun |
| Ruehlman, David D. | Plymouth |
| Sannes, William A. | Madison |
| Schriber, Paul | Wilson |
| Schultz, Isadore | Madison |
| Schutkin, Meyer W. | Milwaukee |
| Scolten, Adrian H. | Madison |
| Shapiro, Harry | Milwaukee |
| Shebasta, Emil M. | Cato |
| Skolas, Marcus ³ | Madison |
| Smedal, Magnus I. | McFarland |
| Smith, Russell | Fort Atkinson |
| Stadel, E. Vernon | Beloit |
| Staley, Kate | Springfield, Ohio |

| | |
|----------------------|-------------------------|
| Studley, William H. | Milwaukee |
| Stuessy, Milton F. | Winslow, Illinois |
| Swigart, Marian | Clinton, Illinois |
| Tenney, Mary Jane | Madison |
| Tjoflat, Oliver E. | Ettrick |
| Treweek, David N. | Mineral Point |
| Vogel, Thorn L. | Milwaukee |
| Vollenweider, Carlos | Buenos Aires, Argentina |
| Walsh, James D. | Mauston |
| Wick, Samuel | Marinette |

¹Repeating year.

²Completing year.

³Withdrew during year.

THIRD YEAR

| | |
|-------------------------------------|------------------------|
| Baldwin, Raymond M. | Beloit |
| Benn, Herbert P. | Medford |
| Berg, George O. | Madison |
| Clauson, Theron C. | Bloomer |
| Erickson, Milton H. | Lowell |
| Eschweiler, Paul C. | Madison |
| Goedecke, Raymond | Merrimac |
| Haigh, F. Warren | Madison |
| Hellebrandt, Frances | Madison |
| Hemphill, Paul H. | Madison |
| Hudson, Leo A. | Madison |
| Leitz, Frank B. | Madison |
| Lundt, Milo O. | Madison |
| Manz, Walton R. | Eau Claire |
| Millar, Malcolm G. | Madison |
| Mueller, Frederick C. | Chicago, Illinois |
| Neubert, Albert D. | Madison |
| O'Brien, Harold A. | Madison |
| O'Malley, William P. | Madison |
| Patzer, Walter E. ³ | Madison |
| Perrin, Stuart A. | Star Prairie |
| Rauschwalbe, Lothar E. ³ | Milwaukee |
| Roach, Carroll | Madison |
| Rydell, Otto E. | Superior |
| Schade, Robert E. | Milwaukee |
| Sharp, Darrell S. ³ | Neilsville |
| Spooner, Dwight | La Verne, Iowa |
| Stanton, Ed. | Mitchell, South Dakota |
| Stratman-Thomas, Warren | Dodgeville |
| Tessier, Alban ² | De Pere |
| Turkeltaub, Solomon M. | Madison |

| | |
|-----------------|---------|
| Weeks, Frank D. | Madison |
| Wilson, Otis N. | Madison |

¹Repeating year.

²Completing year.

³Withdrew during year.

FOURTH YEAR

| | |
|-----------------------|-----------------------|
| Anderson, Ruth | Milwaukee |
| Burke, Charles F. | West De Pere |
| Carns, Marie L. | Knoxville, Illinois |
| Chorlog, John I. | Madison |
| De Nosaquo, Norman V. | Milwaukee |
| Emery, Myra | Madison |
| Grab, John A. | Chilton |
| Hatfield, Margaret E. | Madison |
| Johnson, Vincent C. | Madison |
| Keck, Everett B. | Madison |
| Lins, Beatrice | Spring Green |
| Long, Chester W. | Stanley |
| Ludden, Raymond H. | Bloomington |
| Marsden, Wendell H. | Fennimore |
| Mason, Frank N. | Milwaukee |
| Morrison, John T. | Owensboro, Kentucky |
| Munro, Jeannette | Princeton, New Jersey |
| Osgood, Carroll W. | Brodhead |
| Rathert, Burton S. | Chilton |
| Sannes, Didrik | Madison |
| Senn, Milton J. E. | Madison |
| Sterling, Russell R. | Thorp |
| Supernaw, Jack S. | Madison |
| Vander Kamp, Harry | Holland, Michigan |
| Werrell, William A. | Madison |

BULLETIN OF THE

*University
of
Wisconsin*



The
Medical School

1928-29

MADISON — JUNE, 1928

Bulletin of
THE UNIVERSITY OF WISCONSIN

The Medical School

Announcement of Premedical and
Medical Courses and Courses in Hygiene

1928-29



MADISON, WISCONSIN

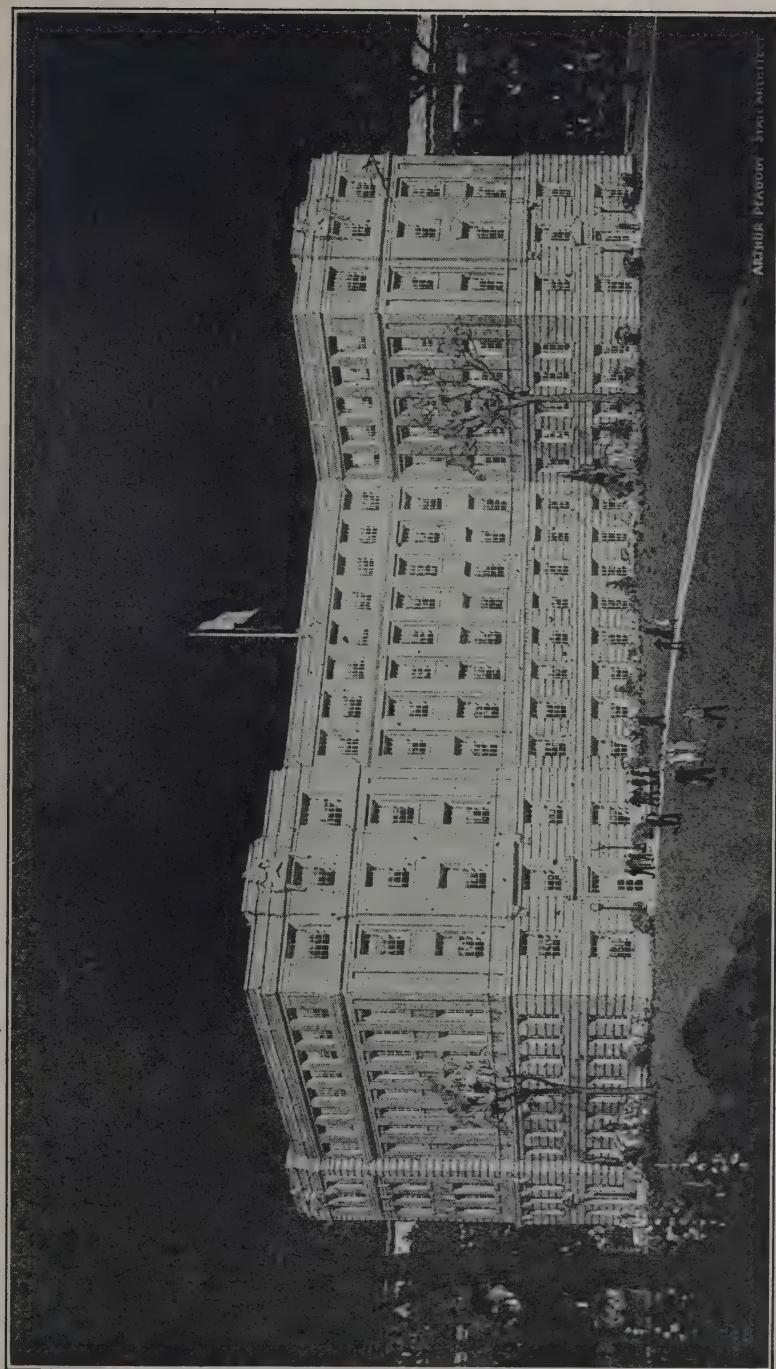
June, 1928

BULLETIN OF THE UNIVERSITY OF WISCONSIN

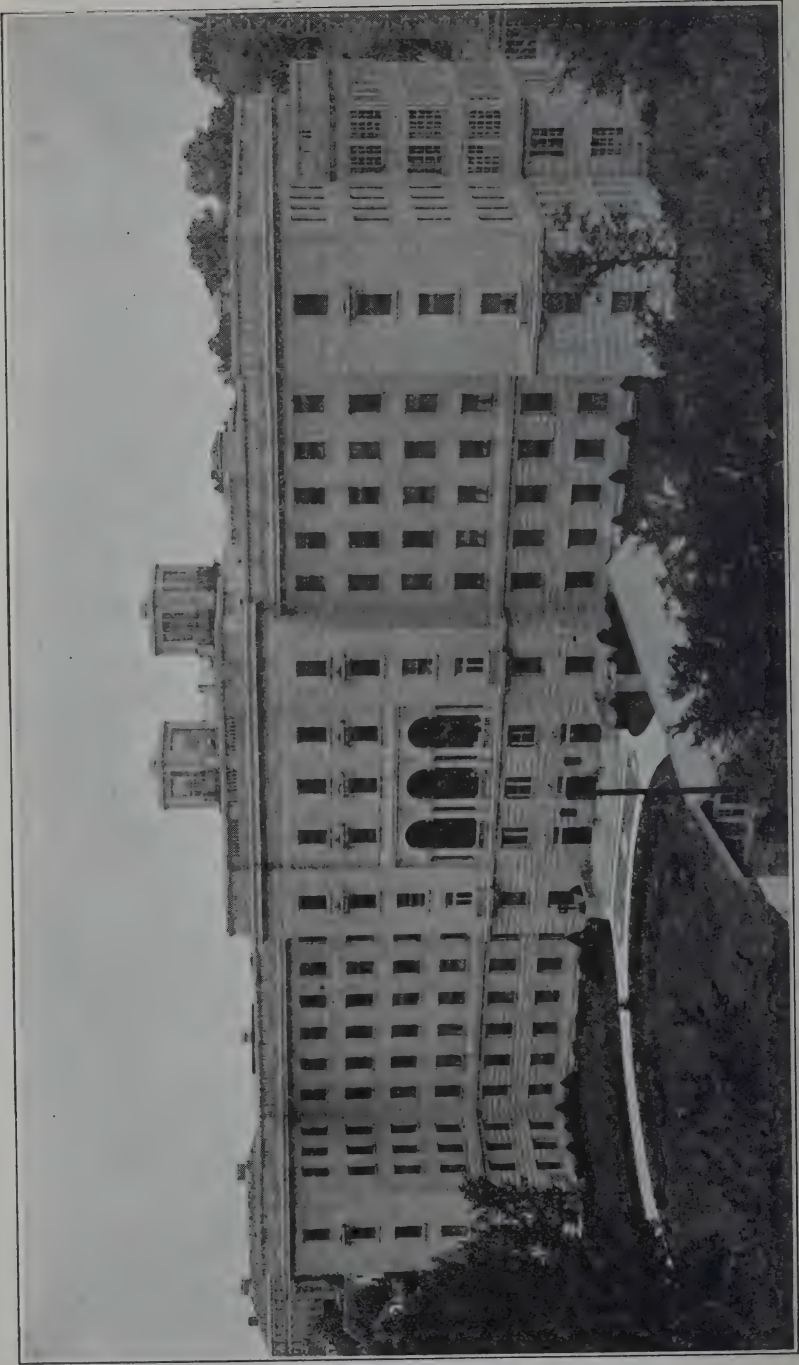
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SERVICE MEMORIAL INSTITUTE BUILDING



WISCONSIN GENERAL HOSPITAL

CALENDAR

SUMMER SESSION 1928

| | | |
|-----------|-----------|---|
| June 18 | Monday | Law School opens |
| June 25 | Monday | Registration day, University at large |
| June 26 | Tuesday | Instruction begins, University at large |
| July 4 | Wednesday | Independence Day; legal holiday |
| August 3 | Friday | Final examinations, University at large |
| August 24 | Friday | Law School closes |

ACADEMIC YEAR 1928-29

FIRST SEMESTER

| | | |
|----------------|------------------------------|--|
| Sept. 17, 18 | Monday, Tuesday | Examinations for admission |
| Sept. 19-22 | Wednesday-Saturday | Freshman Period (attendance required) |
| Sept. 21-25 | Friday-Tuesday | Registration days for new students other than freshmen |
| Sept. 24, 25 | Monday, Tuesday | Registration days for old students |
| Sept. 26 | Wednesday | Instruction begins |
| Sept. 29 | Saturday | Special examinations for removal of conditions |
| Nov. 29 | Thursday | Thanksgiving Day; legal holiday (one day only) |
| Dec. 19-Jan. 3 | Wed. (noon)-Thurs. (8 a. m.) | Christmas recess |
| Jan. 12 | Saturday | Examinations for removal of conditions |
| Jan. 28-Feb. 6 | Monday-Wednesday | Final examinations |

SECOND SEMESTER

| | | |
|-------------|---------------------------|--|
| Feb. 5, 6 | Tuesday, Wednesday | Examinations for admission |
| Feb. 7, 8 | Thursday, Friday | Registration days for new students |
| Feb. 11 | Monday | Instruction begins |
| Feb. 22 | Friday | Washington's Birthday; legal holiday |
| April 10-16 | Wednesday-Tuesday (incl.) | Spring recess |
| April 20 | Saturday | Examinations for removal of conditions |
| May 30 | Thursday | Memorial Day; legal holiday |
| June 10-18 | Monday-Tuesday | Final examinations |
| June 17, 18 | Monday, Tuesday | Examinations for admission |
| June 21-24 | Friday-Monday | Commencement week-end |

SUMMER SESSION 1929

| | | |
|-----------|----------|---|
| June 24 | Monday | Law School opens |
| July 1 | Monday | Registration day, University at large |
| July 2 | Tuesday | Instruction begins, University at large |
| July 4 | Thursday | Independence Day; legal holiday |
| August 9 | Friday | Six-week session closes |
| August 30 | Friday | Nine-week session and Law School close |

THE REGENTS OF THE UNIVERSITY

| | Term expires |
|---|-----------------|
| State-at-Large—ADOLF GUNDERSEN, La Crosse..... | 1931 |
| State-at-Large—MISS ZONA GALE, Portage..... | 1929 |
| State-at-Large—FRED E. BACHMAN, Appleton..... | 1930 |
| State-at-Large—JOHN C. SCHMIDTMANN, Manitowoc..... | 1932 |
| First District—VICTOR P. RICHARDSON, Janesville..... | 1931 |
| Second District—DANIEL H. GRADY, Portage..... | 1930 |
| Third District—MICHAEL B. OLBRICH, Madison..... | 1931 |
| Fourth District—MRS. META BERGER, Milwaukee..... | 1934 |
| Fifth District—ROBERT WILD, Milwaukee..... | 1933 |
| Sixth District—MISS ELIZABETH A. WATERS, Fond du Lac..... | 1933 |
| Seventh District—MRS. CLARA T. RUNGE, Baraboo..... | 1932 |
| Eighth District—GEORGE W. MEAD, Wisconsin Rapids..... | 1934 |
| Ninth District—JOHN E. CASHMAN, Denmark..... | 1930 |
| Tenth District—BEN F. FAAST, Eau Claire..... | 1932 |
| Eleventh District—GEORGE A. NELSON, Milltown..... | 1929 |

GLENN FRANK, President of the University, *ex officio*

JOHN CALLAHAN, State Superintendent of Public Instruction, *ex-officio*

OFFICERS OF THE REGENTS

DANIEL H. GRADY, President
 BEN F. FAAST, Vice President
 SOLOMON LEVITAN, State Treasurer, *ex-officio* Treasurer
 JAMES D. PHILLIPS, Business Manager
 MAURICE E. MCCAFFREY, Secretary

THE BOARD OF VISITORS

Appointed by the Regents

| | Term expires |
|---|-----------------|
| LOYAL DURAND, Milwaukee..... | 1928 |
| HARRY W. KIRCHER, Sheboygan..... | 1929 |
| MRS. CHARLES R. CARPENTER, Madison..... | 1930 |
| GEORGE P. HAMBRECHT, Madison..... | 1931 |

Appointed by the Alumni

| | |
|------------------------------------|------|
| B. E. MCCORMICK, Madison..... | 1928 |
| MRS. LUCY M. JOHNSON, Madison..... | 1929 |
| WILLIAM J. MEUER, Madison..... | 1930 |
| ISRAEL SHRIMSKI, Chicago..... | 1931 |

Appointed by the Governor

| | |
|--|------|
| MRS. JULIA A. SCHNETZ, Racine..... | 1928 |
| CARL J. HESGARD, Orfordville..... | 1929 |
| W. C. SULLIVAN, Kaukauna..... | 1930 |
| MRS. HATTIE C. TEGTMEYER, Milwaukee..... | 1931 |

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INFORMATION

For information in regard to the medical course communicate with:

Dr. C. R. Bardeen, Dean of the Medical School,
University of Wisconsin,
412 North Charter Street,
Madison, Wisconsin.

For information in regard to the premedical course communicate with:

Dr. W. J. Meek, Assistant Dean of the Medical School,
University of Wisconsin,
Madison, Wisconsin.

FACULTY

GLENN FRANK, LL.D., President of the University, *Ex-Officio*.

CHARLES RUSSELL BARDEEN, M.D., Dean.

WALTER JOSEPH MEEK, Ph.D., Assistant Dean.

THE EXECUTIVE COMMITTEE OF THE MEDICAL SCHOOL

C. R. BARDEEN, M.D., Chairman

H. C. BRADLEY, Ph.D.

R. C. BUECKI, M.D.

C. H. BUNTING, M.D.

J. S. EVANS, M.D.

J. W. HARRIS, M.D.

A. S. LOEVENHART, M.D.

W. F. LORENZ, M.D.

W. J. MEEK, Ph.D.

E. A. POHLE, M.D.

E. R. SCHMIDT, M.D.

W. D. STOVALL, M.D.

W. E. SULLIVAN, Ph.D.

ACADEMIC STAFF

RAYBURN C. AUSTIN.....*Instructor in Physiology*
A.B., Indiana University, 1921; A.M., Indiana University, 1927. Assistant in Physiology, Indiana University, 1925-26; Instructor in Physiology, 1926-28; special lecturer during summer session, 1927. Instructor in Physiology, Wisconsin, 1928-.

IRMA BACKE.....*Instructor in Clinical Medicine*
M.D., Minnesota, 1924; Intern, New York Infirmary, New York City, 1923-24. Instructor in Clinical Medicine, 1925-; Assistant Physician, Student Health Service, 1925-.

HARRY BAERNSTEIN.....*Instructor in Physiological Chemistry*
B.S., Wisconsin, 1921; M.S., Wisconsin, 1926. Instructor in Physiological Chemistry, 1925-.

CHARLES RUSSELL BARDEEN, *Professor of Anatomy and Dean of the Medical School.*

B.A., Harvard, 1893; M.D., Johns Hopkins, 1897. Assistant in Anatomy, Johns Hopkins, 1897-99; Associate 1899-1901; Associate Professor 1901-04. Professor of Anatomy, Wisconsin, 1904-; Dean of Medical School, 1907-. Honorary member of the Radiological Society of North America; Member of Association of Anatomists and of the Society of Experimental Biology; President, Association of American Medical Colleges, 1916; President State Medical Society, 1920.

THEODORE HIERONYMUS BAST.....*Associate Professor of Anatomy*
A.B., Ripon College, 1912; Ph.D., University of Chicago, 1922; Fellow in Anatomy, University of Chicago, 1918-19; Instructor, Rush Medical College, 1919-20. Member, Association of Anatomists. Assistant Professor of Anatomy, University of Wisconsin, 1920-25, Associate Professor, 1925-.

JOHN EDWARD BENTLEY*Instructor in Clinical Medicine*
B.S., Wisconsin, 1915; M.D., Pennsylvania, 1917; Intern, St. Luke's Hospital, Chicago, 1917-18. Captain, U. S. Medical Corps, 1918-19. Practice, Portage, 1919-. Instructor in Clinical Medicine and Surgery, 1926-28; Instructor in Clinical Medicine 1928-.

RAY CARRINGTON BLANKINSHIP.....*Associate Professor of Clinical Medicine*
M.D., Medical College of Virginia, 1914; Intern, King's County Hospital, 1914-15. Instructor in Clinical Medicine, Wisconsin, 1919-21; Assistant Professor, 1922-25; As-

sociate Professor, 1925-. Member of the American College of Physicians. Associate Physician, Wisconsin General Hospital, 1924-.

WILLIAM JEFFERSON BLECKWENN.....*Assistant Professor of Neuro-Psychiatry*

B.S., Wisconsin, 1917; M.D., Columbia, 1920; Intern, Bellevue Hospital, New York City. Instructor, Neuro-Psychiatry, Wisconsin, 1922-25; Assistant Professor, 1925-. Associate Director, Wisconsin Psychiatric Institute, 1925-; Associate Neuro-Psychiatrist, Wisconsin General Hospital, 1924-.

HAROLD CORNELIUS BRADLEY.....*Professor of Physiological Chemistry*

A.B., California, 1900; Ph.D., Yale, 1905. Instructor, Yale Medical School, 1905-06. Assistant Professor of Physiological Chemistry, University of Wisconsin, 1906-13; Associate Professor, 1913-18; Professor, 1918-. Major, Chemical Warfare Service, U. S. Army, 1917-18; Member of American Chemical Society, Physiological Society, Society Biological Chemistry.

GEORGE VAN INGEN BROWN.....*Professor of Plastic Surgery*

D.D.S., Pennsylvania College Dental Surgery, Philadelphia, 1881; M.D., Milwaukee Medical College, 1895; M.D., Marquette, 1909. Dean of Dental Department, Milwaukee Medical College, 1898-1902; Special Lecturer on Oral Surgery, University of Illinois, 1902-03; University of Iowa, 1903-04; University of Tennessee, 1904; Vanderbilt University, 1905; Professor Oral Surgery and Oral Pathology, State University of Iowa, 1904-10. In charge, Section of Plastic and Oral Surgery in the office of the Surgeon General during the World War. Organized School of Plastic and Oral Surgery at Fort Oglethorpe, Ga., by direction of Surgeon General, 1918. In charge of Plastic and Oral Surgical reconstruction work for returned soldiers at U. S. General Hospital, No. 11, Cape May, New Jersey; Chief of the Maxillo-Faciale Service, Walter Reed Hospital, Washington, D. C. President, Tri-State Medical Society, 1920-21; Speaker, Inter-State Post-Graduate Medical Assembly of North America, 1920-. Fellow, American College of Surgeons. President, Milwaukee Surgical Society. Member, Pi Gamma Mu. Professor of Plastic Surgery, 1925-; Plastic Surgeon, Wisconsin General Hospital, 1920-.

ROBIN CARL BUERKI.....*Superintendent of Wisconsin General Hospital*

B.S., Wisconsin, 1915; M.D., Pennsylvania, 1917; Intern and Chief Resident, University of Pennsylvania Hospital, 1917-19. Lieutenant, Division of Head Surgery, U. S. Army, 1917-18. Vice President, Wisconsin Hospital Association. Acting Superintendent, Wisconsin General Hospital, 1923-24; Superintendent, 1924-.

CHARLES HENRY BUNTING.....*Professor of Pathology*

B.S., Wisconsin, 1896; M.D., Johns Hopkins, 1901. Fellow in Biology, Wisconsin, 1896-97; Assistant Demonstrator in Pathology, Pennsylvania, 1902-03; Assistant Instructor and Associate, Johns Hopkins, 1903-06; Pathologist to Bay View Hospital, Baltimore, 1904-06; Assistant Resident Pathologist, Johns Hopkins Hospital, 1903-06; Professor of Pathology and Bacteriology, University of Virginia, 1906-08; Pathologist to Virginia University Hospital, 1906-08; Professor of Pathology, Wisconsin, 1908-. Member, American Association of Pathologists and Bacteriologists, Association of American Physicians, Association of Anatomists, Society of Experimental Biology, Society of Experimental Pathology. Consulting Pathologist, Chemical Warfare Service, 1917-18. Pathologist to Wisconsin General Hospital.

JOHN JOSEPH BURBY.....*Instructor in Radiology*

A.B., Michigan, 1914; M.D., Michigan, 1925; Intern, University of Michigan Hospital, 1925-26. Instructor in Bacteriology, 1914-17; Instructor in Chemistry, 1917-21. X-Ray Staff, University of Michigan, 1926-28; Physiotherapy Health Service, 1927-28. Instructor in Radiology, Wisconsin, 1928-; Associate Radiologist, Wisconsin General Hospital, 1928-.

ROBERT EMMETT BURNS.....*Assistant Professor of Orthopedic Surgery*

B.S., Wisconsin, 1917; M.D., Pennsylvania, 1919; Intern, St. Mary's Hospital, Madison, 1919-21. Hospital for Ruptured and Crippled Children, New York City, 1921-22; Mayo Clinic, 1922-23; Resident in Surgery, Wisconsin General Hospital, 1924-26; Instructor in Orthopedic Surgery, 1925; Assistant Professor of Orthopedic Surgery, 1926-; Associate Orthopedic Surgeon, Wisconsin General Hospital, 1926-.

RALPH EMERSON CAMPBELL.....*Instructor in Obstetrics and Gynecology*

B.S., Dartmouth College, 1920; M.D., Northwestern, 1922. Intern, King's County Hospital, Brooklyn, New York, 1922-24. Resident Pathologist, King's County Hospital, Brooklyn, New York, 1924-26. Intern, Chicago Lying-In Hospital, 1926-27. Assistant in Obstetrics, Johns Hopkins University, 1927-28; Assistant in Gynecology, Royal Victoria Hospital, Montreal, 1928. Instructor in Obstetrics and Gynecology, Wisconsin, 1928-; Associate Obstetrician and Gynecologist, Wisconsin General Hospital, 1928-.

RALPH IRVING CANUTESON.....*Instructor in Clinical Medicine*

B.A., Wisconsin, 1924; B.M., Minnesota, 1926; M.D., Minnesota, 1927. Intern, Wisconsin General Hospital, 1926-27. Instructor in Clinical Medicine, Wisconsin, 1927-; Assistant Physician, Student Health Service, 1927-.

PAUL FRANKLIN CLARK.....*Professor of Bacteriology*

Ph.B., Brown University, 1904; A.M., Brown, 1905; Ph.D., Brown, 1909. Assistant in Biology and Bacteriology, Brown University, 1904-06; Assistant Bacteriologist, Rhode Island State Board of Health, 1906-07; Fellow, Assistant and Associate in Department of Pathology, Rockefeller Institute, 1909-14; Graduate Student in Pathology, Johns Hopkins Medical School, 1913-14; Associate Professor of Bacteriology, Wisconsin, 1914-18; Pasteur Institute, Brussels, 1923; Professor of Bacteriology, Wisconsin, 1918-. Member of Society of Bacteriologists, Society of Experimental Biology, Society of Experimental Pathology, Public Health Association. Consulting Bacteriologist, Chemical Warfare Service, 1917-18. Bacteriologist to Wisconsin General Hospital.

HOBART WILLIAM CROMWELL.....*Assistant Professor of Bacteriology*

A.B., Indiana State Normal, 1917; D.Sc., Johns Hopkins School of Hygiene, 1922. Instructor in Bacteriology, Wisconsin, 1922-25; Assistant Professor of Bacteriology, Wisconsin, 1925-.

FREDERICK ALLISON DAVIS.....*Professor of Ophthalmology*

M.D., Pennsylvania, 1909; Intern, University of Pennsylvania Hospital, 1909-11; Resident, New York Eye and Ear Infirmary, 1911-14; Graduate Study, Vienna, 1914 and 1925; Harvard, 1921; Pennsylvania, 1922. Captain, Medical Reserve Corps, 1918. Member Chicago Ophthalmological Society. Member, American Academy of Ophthalmology and Otolaryngology. Professor of Ophthalmology, Wisconsin 1925-; Ophthalmologist, Wisconsin General Hospital, 1920-.

PERCY MILLARD DAWSON.....*Associate Professor of Physiology*

A.B., Johns Hopkins, 1894; M.D., Johns Hopkins, 1898; Fellow, 1898-99; Assistant in Physiology, 1899-1900; Instructor, 1900-01; Associate 1901-04; Associate Professor, 1904-09. Member, Physiological Society. Instructor in Physiology, Wisconsin, 1913-16; Assistant Professor of Physiology, Wisconsin, 1916-25; Associate Professor, 1925-.

MERRILL O. EIEL.....*Instructor in Clinical Medicine*

B.S., University of Iowa, 1925; M.D., University of Iowa, 1927; Intern, St. Francis Hospital, La Crosse, 1927-28. Instructor in Clinical Medicine, Wisconsin, 1928-; Assistant Physician, Student Health Service, 1928-.

JAMES CLAUDE ELSOM, *Associate Professor of Physical Education and Physical Therapy.*

M.D., Medical College of Virginia, 1886. Associate Professor of Physical Education, Wisconsin, 1894-. Department of Physio-Therapy, Walter Reed Hospital, 1917-18; Director, Physio-Therapy, U. S. A. General Hospital No. 3, Rahway, N. J., 1919. Physical-Therapist, Wisconsin General Hospital, 1920-.

FREDERICK EARL EMERY.....*Instructor in Physiology*

D.V.M., Kansas Agricultural College, 1923; M.S., Kansas Agricultural College, 1924; Ph.D., Physiology, Wisconsin, 1927. Assistant, Zoology, Kansas Agricultural College, 1923-24; Assistant, Department of Physiology, University of Illinois, 1924-26. Assistant in Physiology, Wisconsin, spring, 1927; Instructor in Physiology, Wisconsin, 1927-.

JOSEPH SPRAGG EVANS.....*Professor of Medicine*

B.A., Haverford, 1895; M.D., Pennsylvania, 1899; Intern, Germantown Hospital, 1899-1900; University Hospital, 1900-01; University of Vienna, 1901-02; Pasteur Institute, 1902. Instructor Clinical Medicine, University of Pennsylvania, 1902-10; Professor of Clinical Medicine, Wisconsin, 1910-24; Professor of Medicine, Wisconsin, 1924-. Chairman, Medical Section, Wisconsin Council of Medical Defense, 1918; Fellow, American College of Physicians; Fellow, College of Physicians, Philadelphia. Physician, Wisconsin General Hospital, 1924-.

JOHN AUGUSTINE ENGLISH EYSTER.....*Professor of Physiology*

B.Sc., University of Maryland, 1899; M.D., Johns Hopkins University, 1905. Fellow, Assistant, Instructor and Associate in Physiology, Johns Hopkins University, 1906-09; Professor of Pharmacology, University of Virginia, 1910-11; Professor of Physiology, University of Wisconsin, 1911-. Major, Chemical Warfare Service, 1917-18. Lt. Colonel, O.R.C., M.C. Member of the American Physiological Society, American Pharmacological Society, Society of Experimental Biology and Medicine; Fellow, American College of Physicians; Association of American Physicians.

WILLIAM JOHN FOCKE.....*Instructor in Surgery*

B.S., Wisconsin, 1919; M.D., Illinois, 1922. Pathologist, Madison General Hospital, 1918-19. Resident Staff, City and County Hospital, St. Paul, Minnesota, 1921-22. Practice, Poynette, Wisconsin, 1922-. Instructor in Clinical Medicine, Wisconsin, 1925-27; Instructor in Surgery, 1927-.

HARRY ROBERT FOERSTER.....*Assistant Professor of Dermatology*

B.S., Wisconsin, 1912; M.D., Pennsylvania, 1914; Intern, Pennsylvania Hospital, 1914-16; Philadelphia Lying-In Charity Hospital, 1916. Lieutenant and Captain, Army Medical Corps, American Expeditionary Force, France, U. S. Base Hospital 22, 1917-19. Post-graduate work, Vanderbilt Clinic of Columbia University Medical School, New York; Post-graduate Assistant in Dermatology and Syphilology, 1916-19. Practice in Dermatology, Syphilology, Roentgen and Radium Therapy, New York, 1919; Milwaukee, 1920-. Member, American Dermatological Association, Chicago Dermatological Society, and Radiological Society of North America. In charge of Dermatology and Syphilis, Milwaukee County Hospital; in charge of Dermatology and Syphilis, Milwaukee County Dispensary; Dermatologist to Milwaukee Children's and Columbia Hospitals. Associate Clinical Professor of Dermatology, Marquette University. Associate in Dermatology, 1926-27. Assistant Professor Dermatology, 1927-.

OTTO HOTTINGER FOERSTER.....*Professor of Dermatology*

M.D., Pennsylvania, 1898; Intern, Howard Hospital, Philadelphia, 1899. Graduate work, University of Vienna, 1900-01; University of Pennsylvania, 1901-02; Polyclinic Hospital, Philadelphia, 1903-05; Berlin, Germany, 1913. Member, American Dermatological Association; Chicago Dermatological Society and American Roentgen-Ray Society; Captain, M. C., U. S. Army, 1917-18. Professor of Dermatology, University of Wisconsin, 1925-; Dermatologist, Wisconsin General Hospital, 1920-.

FRANCIS R. C. FORSTER.....*Instructor in Clinical Medicine*

M.D., Queen's University, Canada, 1927; C.M., Queens University, Canada, 1927. Assistant Resident Physician and Surgeon, Kingston General Hospital, Canada, 1926-27; Medical Officer, Military Camp, Army Medical Corps, 1927; Resident Surgeon, Keystone Hospital, Chicago, 1927; Physician, Six Nations Indian Reserve, Canada, 1927-28. Instructor in Clinical Medicine, Wisconsin, 1928-; Assistant Physician, Student Health Service, 1928-.

FREDERICK JULIUS GAENSLER.....*Professor of Orthopedic Surgery*

B.Sc., Wisconsin, 1899; M.D., Johns Hopkins, 1903. Assistant Professor of Orthopedic Surgery, Marquette, 1917-18; Director and Associate Professor, Department of Orthopedic Surgery, Marquette, 1918-20; Orthopedic Surgeon, Columbia Hospital; Orthopedic Surgeon, Milwaukee Hospital. Member, American Orthopedic Association and American College of Surgeons. War Advisory Committee. Chairman, Section of Orthopedic Surgery, American Medical Association, 1925. Professor of Orthopedic Surgery, 1925-; Orthopedic Surgeon, Wisconsin General Hospital, 1920-.

JOSEPH WASSON GALE.....*Assistant Professor of Surgery*

A.B., University of Missouri, 1921; M.A., Missouri, 1922; M.D., Washington University Medical School, 1924. Intern, Barnes Hospital, 1924-25; Assistant Resident, 1925-26; Resident Surgeon, 1926-27. Assistant Professor of Surgery, Wisconsin, 1927-. Assistant Surgeon, Wisconsin General Hospital, 1927-.

FREDERICK DENKMAR GEIST.....*Assistant Professor of Anatomy*

M.D., Tufts College Medical School, 1920. Member American Association of Anatomists. Instructor in Anatomy, Wisconsin, 1920-25; Assistant Professor of Anatomy, 1925-.

JOHN EUGENE GONCE, JR.....*Assistant Professor of Pediatrics*

A.B., University of Delaware, 1913; M.D., University of Pennsylvania, 1918; Intern, University Hospital, Philadelphia, 1918. Graduate Student in Pediatrics, Children's Hospital, Philadelphia, 1922-23, and Johns Hopkins Hospital, Harriet Lane Home, 1923. Instructor in Clinical Medicine, Wisconsin, 1919-25; Associate in Pediatrics, 1925-26; Assistant Professor of Pediatrics, 1926-; Associate Pediatrician, Wisconsin General Hospital, 1925-.

MORTON KAY GREEN.....*Clinical Associate in Neuro-Psychiatry*

M.D., Rush, 1901. Post-graduate work, Manhattan State Hospital, 1911. Assistant Physician, Wisconsin State Hospital for the Insane, 1901-07; Assistant Superintendent, 1907-21; Chief of Staff, Wisconsin Psychiatric Institute, 1921-24; Superintendent, Wisconsin State Hospital for the Insane, 1924-. Clinical Associate in Neuro-Psychiatry, University of Wisconsin, 1927-.

PHILLIPS FOSTER GREENE.....*Associate Professor of Surgery*

B.A., Amherst, 1915; M.D., Harvard, 1919; Intern, Saint Luke's Hospital, New York, 1919-21. Resident, Saint Mary's Hospital, New York, 1921; Attending Physician, American Hospital, Constantinople, 1921-23; Professor of Anatomy, Constantinople College, 1921-23; Assistant Professor of Surgery, Hunan-Yale Medical School, 1923-27; Assistant Surgeon, Hunan-Yale Hospital, 1923-27. Member, American College of Surgeons. Associate Professor of Surgery, Wisconsin, 1927-; Associate Surgeon, Wisconsin General Hospital, 1927-.

HANCE F. HANEY.....*Instructor in Physiology*

B.A., Wisconsin, 1926; M.A., Wisconsin, 1928. Instructor in Physiology, 1927-.

CORNELIUS A. HARPER.....*Lecturer in Hygiene*

B.S., Wisconsin, 1889; M.D., George Washington University Medical School, 1893. Secretary, State Board of Health. Lecturer on Hygiene, 1925-.

CARL SAMUEL HARPER, *Clinical Assistant Professor of Obstetrics and Gynecology*

B.S., Wisconsin, 1914; M.D., Pennsylvania, 1916; Intern, St. Christopher's Hospital for Children, Philadelphia, 1916; Intern, The Brooklyn Hospital; Brooklyn, New York, 1916-18. Resident in Obstetrics and Gynecology, Brooklyn Hospital, 1920-21. Obstetrician and Gynecologist, Methodist Hospital, Madison, 1921-. Associate in Obstetrics and Gynecology, Wisconsin, 1925-26; Assistant Professor, 1926-28; Clinical Assistant Professor, 1928-; Associate Obstetrician and Gynecologist, Wisconsin General Hospital, 1926-.

JOHN WARTON HARRIS.....*Professor of Obstetrics and Gynecology*

A.B., North Carolina, 1911; A.M., North Carolina, 1912; M.D., Johns Hopkins, 1916. Resident House Officer, Assistant Resident Obstetrician, Resident Obstetrician, Assistant and Associate Obstetrician, Johns Hopkins Hospital, 1916-28. Resident Obstetrician and Gynecologist, The New Haven Hospital, and Instructor in Obstetrics and Gynecology, Yale University, 1919. Assistant, Instructor, Associate, and Associate Professor of Obstetrics, Johns Hopkins University, 1917-28. Professor of Obstetrics and Gynecology, Wisconsin, 1928-; Obstetrician and Gynecologist, Wisconsin General Hospital, 1928-.

FRANCES ANNA HELLEBRANDT.....*Instructor in Physiology*

M.D., Wisconsin, 1928. Student Assistant in Anatomy, Wisconsin, 1924-27; Assistant in Anatomy, 1927-28; Instructor in Physiology, 1928-.

RAYMOND C. HERRIN.....*Instructor in Physiology*FRED JENNER HODGES.....*Lecturer in Radiology*

B.S., Wisconsin, 1917; M.D., Washington, 1919; Resident Pathologist, Barnes City Hospital, 1919-20. Instructor in Psychiatry, Wisconsin, January to July, 1921; Instructor in Physiology, 1921-24; Roentgenologist, Wisconsin Memorial Hospital, 1924-; Roentgenologist, St. Mary's Hospital, 1924-; Clinical Instructor in Radiology, Wisconsin, 1925-26; Lecturer in Radiology, 1926-.

FRANCES ELIZABETH HOLFORD.....*Instructor in Bacteriology*

B.A., Wisconsin, 1923; M.A., Wisconsin, 1924; Assistant in Bacteriology, Wisconsin, 1921-23; Instructor, 1923-.

VOLNEY BUTMAN HYSLOP.....*Instructor in Plastic Surgery*

M.D., Washington, 1924; Intern, St. Mary's Hospital, Madison, 1923-24. Resident in Ophthalmology and Otolaryngology, Wisconsin General Hospital, 1924-26; Instructor in Ophthalmology, 1925-26; Instructor in Plastic Surgery, 1926-. Assistant Plastic Surgeon, Wisconsin General Hospital, 1926-.

JOSEPH WARREN JACKSON.....*Instructor in Clinical Pathology*

M.D., Colorado, 1926. Intern, St. Luke's Hospital, Denver, 1926-27, 3 mos. service in laboratory. Student Assistant in Pathology, Colorado, 1925-26; Instructor in Clinical Pathology, Wisconsin, 1927-. Assistant Clinical Pathologist, Wisconsin General Hospital, 1927-.

ALFRED L. KASTNER.....*Associate Pediatrician*

M.D., Wisconsin College of Physicians and Surgeons, 1902; Intern, St. Joseph's Hospital, Milwaukee, 1901; Milwaukee County Hospital, Assistant Surgeon, 1902; Home for Disabled Volunteer Soldiers, 1903-04. Clinical Professor of Pediatrics, Marquette University School of Medicine. Post-graduate work, New York Post Graduate College, Infant's Hospital, New York. General Practice, Milwaukee, 1904-16; specializing in Pediatrics, Milwaukee, 1926-. Member, Milwaukee Academy of Medicine, Central States Pediatric Society, Milwaukee Pediatric Society. Staff member, Milwaukee Children's Hospital, Milwaukee Hospital, Emergency Hospital. Consultant Staff, Milwaukee County Hospital.

HARRY MAXWELL KAY.....*Clinical Associate in Medicine*

M.D., Chicago College of Medicine and Surgery, 1908; Intern, Augustana Hospital, Chicago, 1908; Madison General Hospital, 1909; Physician, Madison General Hospital. Captain, Medical and Surgical Service, U. S. Army, 1917-18; Major Medical Reserve Corps. Obstetrician, Madison General Hospital. Clinical Associate, Wisconsin, 1922-.

PETER KLEMER KNOEFEL.....*Instructor in Pharmacology*ARTHUR SOLOMON LOEVENHART.....*Professor of Pharmacology and Toxicology*

B.S., Kentucky State University, 1898; M.S., Kentucky, 1899; M.D., Johns Hopkins, 1903; Assistant in Pharmacology, Johns Hopkins, 1903-04; Associate, 1904-06; Associate Professor, 1906-08. Professor of Pharmacology and Toxicology, Wisconsin, 1908-. Chemical Warfare Service, 1917-1918; Consultant, Chemical Warfare Service, 1920-. Member American Chemical Society, Society Biological Chemists, Society Experimental Biology, Physiological Society, Pharmacological Society (President 1919-20).

WILLIAM FREDERICK LORENZ.....*Professor of Neuro-Psychiatry*

M.D., Bellevue Hospital College, 1903; Intern, St. Vincent's Hospital, New York, 1902-03, St. John's Hospital, 1904-05; Senior Physician, Manhattan State Hospital, N. Y., 1906-10. Clinical Director, Wisconsin State Hospital, 1910-13; Special Expert, United States Public Health Service, Pellagra Commission, 1913-14; Director, Wisconsin Psychiatric Institute, 1915-. Major, Medical Corps, U. S. Army, A.E.F., 1917-19. Cited D.S.M. Lt. Col., Wis. N. G. and U. S. Med. R., 1925-. Medical Councilor, U. S. Veterans' Bureau, 1923-. President, Wisconsin State Board of Control, 1924-25. Associate Professor of Neuro-Psychiatry, Wisconsin, 1915-20; Professor, 1920-. President, Medical Staff, St. Mary's Hospital, Madison. Member, National Rehabilitation Committee, Advisory Council, American Legion, 1922-. Member, American Psychiatric Association, Central Psychiatric Association. Neuro-Psychiatrist, State of Wisconsin General Hospital, 1924-.

CHARLES E. LYGHTE.....*Instructor in Clinical Medicine*

C.M., Queen's University, Kingston, Ontario, Canada; M.D., Queen's University, Kingston, Ontario, Canada, 1926; Licentiate, Medical Council of Canada, and College of Physicians and Surgeons of Ontario; Intern, General Hospital, Hamilton, Ontario, Canada. Commission, Army Medical Corps; Hatcher Hospital, Wellington, Kansas. Instructor in Clinical Medicine, Wisconsin, 1927-. Assistant Physician, Student Health Service, 1927-.

MABEL MASTEN.....*Instructor in Neuro-Psychiatry*

B.S., University of Chicago, 1921; M.D., Rush, 1926. Sanitary Bacteriologist, U.S.P.H.S., 1921-22; Intern, Wisconsin General Hospital, 1925-26; Resident Physician, Neuro-Psychiatry, 1926-27; Junior physician, State Psychiatric Institute, 1927-; Instructor in Neuro-Psychiatry, 1927-; Assistant Neuro-Psychiatrist, Wisconsin General Hospital, 1927-.

ROSCOE LYLE McINTOSH.....*Assistant Professor of Dermatology*

B.S., Wisconsin, 1919; M.D., Washington University, 1921; Intern, Wisconsin General Hospital, 1921. Graduate student, Barnard Skin and Cancer Hospital, St. Louis, 1921-23; Diploma in Dermatology, London School of Dermatology, 1924; Associate in Dermatology, Wisconsin, 1925-26; Assistant Professor of Dermatology, 1926-; Associate Dermatologist, Wisconsin General Hospital, 1924-.

JAMES D. MCKINNON.....*Assistant Professor of Pathology*

A.B., McGill University, 1921; M.D., 1924. Assistant in Pathology, McGill University, 1924-25. Assistant Pathologist, State Laboratory of Pathology, Albany, New York, 1925-27. Instructor in Pathology, Wisconsin, 1927-8; Assistant Professor, 1928-.

WALTER JOSEPH MEEK, *Professor of Physiology and Assistant Dean of the Medical School.*

B.A., Kansas, 1902; Ph.D., Chicago, 1909. Instructor in Physiology, Wisconsin, 1908-10; Assistant Professor, 1910-13; Associate Professor, 1913-18; Professor, 1918-. Assistant Dean, 1920-. Major, Chemical Warfare Service, 1917-18. Associate Editor, Physiological Reviews. Secretary, American Physiological Society.

WILLIAM SHAINLINE MIDDLETON.....*Associate Professor of Medicine*

M.D., University of Pennsylvania, 1911; Intern, Philadelphia General Hospital and Babies' Hospital, Philadelphia, 1911-12. Instructor in Clinical Medicine, Wisconsin, 1912-15; Assistant Professor, Wisconsin, 1915-23; Associate Professor, 1923-24; Associate Professor of Medicine, 1925-. Captain, M.O.R.C., 1917-19. Member, American Society for Clinical Investigation. Consultant in Tuberculosis, U. S. Veterans' Bureau. Associate Physician, Wisconsin General Hospital, 1924-.

WILLIAM SNOW MILLER.....*Emeritus Professor of Anatomy*

M.D., Yale, 1879; Sc.D., (Hon.), University of Cincinnati, 1920; Sc.D., (Hon.), Wisconsin, 1926; Scholar and Fellow, Clark University, 1889-92; Fellow, Johns Hopkins, 1905-06; Special Lecturer, Mt. Holyoke College, 1889; Pathologist, Worcester City Hospital and the Memorial Hospital, Worcester, Massachusetts, 1889-92. Instructor, Vertebrate Anatomy, Wisconsin, 1892-95; Leipzig, 1895-96; Assistant Professor of Anatomy, 1895-04; Associate Professor, 1904-16; Professor, 1916-24; Emeritus Professor, 1924-; Lecturer in Medicine, Johns Hopkins Medical School, 1918-19; Lecturer in School of Tuberculosis, U. S. Veterans' Hospital No. 41, New Haven, Connecticut, 1923-24, and at No. 98, Beacon, New York, 1925. Member, Association Anatomists (Vice-President, 1909), Honorary Member, National Tuberculosis Association, l'Union Internationale contre la Tuberculose; American Association for the Advancement of Science, Société Internationale d'Histoire de la Médecine, Deutschen Gesellschaft für Geschichte der Medizin und der Naturwissenschaften, Harvey Society, New York; Honorary member, Wisconsin State Medical Society, Society of Medical History of Chicago. Past member, editorial board Anatomical Record. Special investigator, National Tuberculosis Association, 1920-.

SARAH ISABELLE MORRIS.....*Associate Professor of Clinical Medicine*

M.D., Women's Medical College of Pennsylvania, 1910; Intern, Philadelphia Hospital, 1910-11. Medical Adviser to Women, Wisconsin, 1911-13; Instructor Clinical Medicine, Wisconsin, 1913-15; Assistant Professor of Clinical Medicine, Wisconsin, 1915-26; Associate Professor, 1926-; Associate Physician, Student Health Service.

JOHN TAYLOR MORRISON.....*Instructor in Clinical Medicine*

B.S., Purdue, 1922; M.S., Wisconsin, 1925; M.D., Wisconsin, 1927; Intern, Wisconsin General Hospital, 1927-28. Instructor in Clinical Medicine, Wisconsin, 1928-; Assistant Physician, Student Health Service, 1928-.

HARLAND WINFIELD MOSSMAN.....*Assistant Professor of Anatomy*

B.S., Allegheny, 1920; M.S., Wisconsin, 1922; Ph.D., Wisconsin, 1924. Laboratory Assistant, Allegheny, 1919-20; Assistant in Zoology, Wisconsin, 1920-24; Instructor in Anatomy, Wisconsin, 1924-27; Assistant Professor, 1927-.

WILLIAM ATWOOD MOWRY.....*Physician-In-Chief, Student Health Service*

M.D., Northwestern, 1910; Intern, St. Luke's Hospital, Chicago, 1910-11. Physician, French Lick Springs Hotel, 1911-20; Medical Director, Monitor Stove Company, Cincinnati, 1920-22. Assistant Professor of Clinical Medicine, Wisconsin, 1923; Chief of the Student Health Service, 1924-.

CLARENCE WEINERT MUEHLBERGER.....*Assistant Professor of Toxicology*

B.S., Armour Institute of Technology, 1920; M.S., Wisconsin, 1922; Ph.D., Wisconsin, 1923; State Toxicologist, 1923-. Member, American Chemical Society, American

Electro-chemical Society, Society of Experimental Biology. Assistant Professor of Toxicology, 1925-.

EZRA EUGENE NEFF.....*Associate Professor of Ophthalmology*

B.A., Emory and Henry, 1910; M.D., Virginia, 1916; Intern, University of Virginia Hospital, 1916-17. Captain Medical Corps, U. S. Army, 1917-19. House Staff, New York Eye and Ear Infirmary, 1919-21. Graduate Study, Vienna, 1926. Associate in Ophthalmology, Wisconsin, 1925-26; Assistant Professor in Ophthalmology, 1926-27; Associate Professor of Ophthalmology, 1927-; Associate Ophthalmologist, Wisconsin General Hospital, 1924-.

WELLWOOD MACK NESBIT.....*Associate Professor of Otolaryngology*

M.D., Rush, 1917; Intern, Presbyterian Hospital, 1917-18; Barnes Hospital, St. Louis, 1918-19. 1st Lieutenant, United States Army, 1919-20. Nose and Throat Service, Washington University, 1920-23. Associate in Rhinology and Laryngology, Wisconsin, 1925-26; Assistant Professor in Laryngology, 1926-27; Associate Professor of Otolaryngology, 1927-. Associate Laryngologist, Wisconsin General Hospital, 1924-27; Otolaryngologist, 1927-.

MERLE STARR NICHOLS.....*Assistant Professor of Sanitary Chemistry*

B.S., Wisconsin, 1916; M.S., Wisconsin, 1918; Ph.D., Wisconsin, 1926. Assistant Professor of Sanitary Chemistry, 1926-. Chemist and Assistant Bacteriologist, State Laboratory of Hygiene, 1919-. Fellow, American Institute of Chemists; Fellow, American Public Health Association; Member, American Chemical Society, Society of American Bacteriologists. Captain, Officers' Reserve Corps, San. C., U. S. Army, 1924-.

ERNST ALBERT POHLE.....*Professor of Radiology*

M.D., University of Frankfurt am Main, 1921. Assistant, Physiological Institute, University of Frankfurt, 1919-20; Resident, Department of Internal Medicine, City Hospital, Wiesbaden, 1920-21; Assistant in Institute for Radiation Research, University of Frankfurt, 1921-23; Roentgenologist, Mount Sinai Hospital, Cleveland, Ohio, 1923-25; Assistant Professor of Roentgenology, University of Michigan, 1925-27; Associate Professor of Roentgenology, 1927-28. Professor of Radiology, Wisconsin, 1927-. Member, American Roentgen-Ray Society, German Society Internal Medicine. Radiologist, Wisconsin General Hospital, 1927-.

KARVER LOUIS PUESTOW.....*Assistant Professor of Clinical Medicine*

B.S., Wisconsin, 1919; B.M., Minnesota, 1921; M.D., Minnesota, 1922. Instructor in Clinical Medicine, Wisconsin, 1922-23, 1924-25; Physician, Out-Patient Department, Wisconsin General Hospital, 1925-27; Assistant Professor of Clinical Medicine, 1927-. Assistant Physician, Wisconsin General Hospital, 1927-.

HANS REESE.....*Assistant Professor of Neuro-Psychiatry*

M.D., University of Kiel, Germany, 1918; First Assistant and Resident of the Navy Hospital at Kiel, Department of Dermatology and Syphilology, 1917-18; Co-assistant in Pathology, University of Hamburg, 1918-19; Assistant of the Department of Neurology, University of Hamburg, 1919-22; Assistant of the Department of Internal Medicine, 1922-23. Senior Assistant of the Research Department, Wisconsin Psychiatric Institute, 1924-; Assistant Professor of Neuro-Psychiatry, 1925-; Associate Neuro-Psychiatrist, Wisconsin General Hospital, 1924-.

DOROTHY E. REID.....*Instructor in Electrocardiography*

B.A., Wisconsin, 1918. Graduate work in Physiology, Wisconsin, 1918-20. Technician in X-Ray and metabolism, Bradley Memorial Hospital, 1923-24; Technician in electrocardiography and metabolism, Wisconsin General Hospital, 1924-25; Technician in electrocardiography, 1925-27. Instructor in electrocardiography, 1927-.

GORTON RITCHIE.....*Instructor in Pathology*

B.A., Wisconsin, 1924; M.D., Pennsylvania, 1927; Intern, George F. Geisinger Memorial Hospital, Danville, Pennsylvania, 1927-28. Instructor in Pathology, Wisconsin, 1924-25; 1928-.

J. HOLDEN ROBBINS.....*Instructor in Anatomy*

B.S., Wisconsin, 1924; M.D., Pennsylvania, 1926; Intern, Los Angeles General Hospital, 1926-27. Student Assistant in Anatomy, Wisconsin, 1923-24. Instructor in Anatomy, 1927-.

JOSEPH ARTHUR SANFORD.....*Instructor in Clinical Medicine*

B.S., Marquette, 1924; M.D., Marquette, 1925; Intern, St. Elizabeth's Hospital, Youngstown, Ohio, 1924-25. Post-graduate work, Columbia College of Physicians and Surgeons, 1925-26. Instructor in Clinical Medicine, Wisconsin, 1926-; Assistant Physician, Student Health Service, 1926-.

AUGUST SAUTHOFF.....*Clinical Associate in Neuro-Psychiatry*

B.S., Wisconsin, 1898; M.D., Rush, 1905. General practice, Madison, 1905-07. Wisconsin State Hospital for the Insane, 1907-; Assistant Superintendent and Clinical Director, Wisconsin State Hospital for the Insane. Clinical Associate in Neuro-Psychiatry, University of Wisconsin, 1927-.

MARY BLAKELIDGE SAUTHOFF.....*Clinical Associate in Neuro-Psychiatry*

M.D., Northwestern, 1902; Intern, Woman's Hospital, Chicago, 1902-03. General practice, La Grange, Illinois, 1 year; St. Peter, Minnesota, 6 months. Wisconsin State Hospital Mendota, 1910-; Senior Assistant Physician, female wards, Wisconsin State Hospital for the Insane, Mendota. Clinical Associate in Neuro-Psychiatry, University of Wisconsin, 1927-.

ERWIN RUDOLPH SCHMIDT.....*Professor of Surgery*

A.B., Wisconsin, 1913; M.D., Washington, 1916; Intern, Barnes Hospital, 1916-17; Intern, Augustana Hospital, 1917. First Lieutenant, M. R. C. 1917-18; Captain, M. C., U. S. A., 1918-19; Commanding officer, U. S. A. Base Hospital No. 11, January 1919-May 1919. Intern, Augustana Hospital, 1919; Chief Assistant, 1920-21; Exchange Assistant, Maria Hospital, Stockholm, Sweden, 1921-22; Exchange Assistant, Städtische Krankenhaus, Frankfurt am Main, Germany, 1922-23; Assistant attending surgeon, St. Vincent's Hospital, 1923-25; Junior attending surgeon, Augustana Hospital, 1922-25. Member, American College of Surgeons; Western Surgical Association; Ausserordentliche Mitglied Deutschen Gesellschaft für Chirurgie. Professor of Surgery, Wisconsin, 1926-; Surgeon, Wisconsin General Hospital, 1926-.

HERMAN CHARLES SCHUMM.....*Associate Professor of Orthopedic Surgery*

B.S., Pennsylvania, 1911; M.D., Pennsylvania, 1914; Intern, Augustana Hospital, Chicago, 1914-17. Captain Medical Corps, U. S. Army, A. E. F., 1918-19. Orthopedic Surgeon, Milwaukee Children's Hospital and Milwaukee County Hospital. Fellow, American College of Surgeons. Associate Professor of Orthopedic Surgery, Wisconsin, 1927-; Associate Orthopedic Surgeon, Wisconsin General Hospital, 1927-.

ELMER L. SEVRINGHAUS.....*Associate Professor of Medicine*

B.A., Wisconsin, 1916; M.A., Wisconsin, 1918; M.D., Harvard, 1921. Assistant in Chemistry, Wisconsin, 1916; Assistant in Physiological Chemistry, Wisconsin, 1917-19; Assistant Professor of Physiological Chemistry, 1921-25; Associate Professor of Physiological Chemistry, Wisconsin, 1925-27; Associate Professor of Medicine, 1927-. Member, Society Biological Chemists. Associate Physician, Wisconsin General Hospital, 1927-; Chemist, Wisconsin General Hospital; Consultant in Clinical Chemistry, Wisconsin Psychiatric Institute, 1927-.

- IRA ROSCOE SISK.....*Associate Professor of Urology*
Phar.D., Vanderbilt, 1912; M.D., Vanderbilt, 1916; Intern, Madison General Hospital, 1916-17; Fellow in Urology, Mayo Clinic, 1919-21; Member of American Urological Association. Associate in Urology, Wisconsin, 1925-26; Assistant Professor of Urology, 1926-27; Associate Professor of Urology, 1927-; Associate Urologist, Wisconsin General Hospital, 1924-26; Urologist, 1926-.
- HARVEY MCKINLEY SMITH.....*Research Assistant in Ophthalmology*
B.A., Ohio Wesleyan, 1920; M.S., Wisconsin, 1922; Ph.D., Wisconsin, 1924. Instructor in Zoology, Wyoming, 1924-26. Research Assistant in Ophthalmology, 1926-.
- LINDLEY VINCENT SPRAGUE.....*Instructor in Clinical Medicine*
M.D., Detroit College of Medicine and Surgery, 1923; Intern, City of Detroit Receiving Hospital, 1922-23; Chief Resident in Medicine, City of Detroit Receiving Hospital, 1923-24. Assistant Physician, Student Health Service, Wisconsin, 1925-26; Instructor in Clinical Medicine, 1925-.
- MARIAN E. STARK.....*Instructor in Clinical Chemistry*
A.B., Smith, 1917; R.N., California, 1920. Instructor in Clinical Chemistry, Wisconsin, 1926-.
- WILLIAM DAVIDSON STOVALL.....*Professor of Hygiene*
B.S., Mississippi, 1906; M.D., Tulane, 1911; Intern, St. Vincent's Hospital, Birmingham, 1911-12; Graduate student Tulane and U. S. Marine Hospital, 1913-14. Bacteriologist, State Laboratory of Hygiene, 1914-15. Associate Professor of Hygiene, Wisconsin, 1915-25. Professor of Hygiene, Wisconsin, 1925-. Director, State Laboratory of Hygiene, 1915-. Member, Society Bacteriologists, American Public Health Association. Clinical Pathologist, Wisconsin General Hospital, 1924-.
- WALTER EDWARD SULLIVAN.....*Professor of Anatomy*
A.B., Bates College, 1907; A.M., Brown University, 1909; Ph.D., 1912. Instructor in Biology, Western Reserve University, 1911; Assistant Professor, Marquette University, 1913-15; Professor, Tufts College, 1915-20. Assistant Professor of Anatomy, Wisconsin, 1920-24; Associate Professor, 1924-25; Professor, 1925-. Member, Association of Anatomists.
- ARTHUR LAWRIE TATUM.....*Professor of Pharmacology*
B.S., Penn College, Iowa, 1905; M.S., State University of Iowa, 1907; Ph.D., Chicago, 1913; M.D., Rush, 1914. Instructor in Chemistry, Colorado, 1907-10; Instructor in Pharmacology, Wisconsin, 1911-13; Instructor in Physiology, Pennsylvania, 1915-16; Professor of Physiology, South Dakota, 1916-18; Assistant Professor of Pharmacology, University of Chicago, 1918-25; Associate Professor of Pharmacology, University of Chicago, 1925-28. Professor of Pharmacology, Wisconsin, 1928-.
- HORACE KENT TENNEY, JR.....*Assistant Professor of Pediatrics*
M.D., Northwestern, 1919; Intern, Evanston Hospital, 1919-20; Post-graduate work in Pediatrics, Michael Reese Hospital and Children's Memorial Hospital, Chicago. Instructor, Clinical Medicine, Wisconsin, 1920-25; Associate in Pediatrics, 1925-26; Assistant Professor in Pediatrics, 1926-; Associate Pediatrician, Wisconsin General Hospital, 1925-.
- ROBERT VAN VALZAH.....*Professor of Clinical Medicine*
A.B., Princeton, 1904; M.D., Pennsylvania, 1908; Intern, Children's Hospital, Atlantic City, 1907-08; St. Christopher's, Philadelphia, 1908-09; Resident, University of

Pennsylvania Hospital, 1908-10. Instructor Clinical Medicine, Wisconsin, 1910-11; Assistant Professor, 1911-13; Associate Professor, 1913-18; Professor, 1918-; Physician, S. A. T. C., 1917-18; Chief of Student Health Service, Wisconsin, 1918-24; Associate Physician, Wisconsin General Hospital, 1924-.

FRANCES BRYCE VAN ZANDT.....*Librarian*

B.S., Cornell, 1921; Post-graduate work, Cornell, 1921. Assistant in University Library, Cornell, 1907-10; Cataloguer, Department of Entomology, Cornell, 1910-13; Librarian, Roswell P. Flower Library, Cornell, 1910-22; State Medical Librarian, Iowa, 1922-27. Librarian, Medical School, Wisconsin, 1927-.

FRANCIS JAMES WARNER.....*Instructor in Neuro-Psychiatry*

M.A., University of Michigan; M.D., Loyola Medical School, Chicago, 1919. Instructor, 2 years, Illinois Medical School, Neuro-Pathologist, Wisconsin Psychiatric Institute, 1928-; Instructor in Neuro-Psychiatry, 1928-.

RALPH MILTON WATERS, *Associate Professor of Surgery in charge of Anesthesia*

A.B., Adelbert College, 1907; M.D., Western Reserve, 1912; Intern, German Hospital, Cleveland, 1910-12. General practice, 1913-16; practice limited to Anesthesia, 1916-. Post-graduate work, block anesthesia, Mayo Clinic, 1926. Assistant Professor of Anesthesia, Wisconsin, 1927-28; Associate Professor of Anesthesia, 1928-; Anesthetist, Wisconsin General Hospital, 1927-.

JOHN B. WEAR.....*Instructor in Urology*

FRANK LAURANCE WESTON.....*Instructor in Clinical Medicine*

B.S., Wisconsin, 1921; M.D., Rush Medical College, 1923; Intern, Cook County Hospital. Instructor Clinical Medicine, Wisconsin, 1927-; Assistant Physician, Wisconsin General Hospital, 1927-.

EDGAR J. WITZEMANN.....*Assistant Professor of Physiological Chemistry*

A.B., James Millikin University, 1907; A.M., Ohio State University, 1909; Ph.D., Ohio State University, 1912. Student Assistant in Chemistry, Millikin, 1905-7; Fellow in Chemistry, Ohio State University, 1907-09; Instructor in Chemistry, 1909-12. Member, Otho S. A. Sprague Memorial Institute, 1912-25; Research chemist in Laboratory for Clinical Research, Rush Medical College, 1912-25. Research Chemist, Chemical Warfare Service, 1918. First Assistant, Section on Biochemistry, Mayo Clinic, 1925-27. Assistant Professor of Physiological Chemistry, Wisconsin, 1927-. Member, American Chemical Society, American Society of Biological Chemists, Deutsche Chemische Gesellschaft, Illinois Academy of Science.

ASSOCIATE TEACHING STAFF

ASHLAND

Ashland General Hospital

JOHN M. DODD.....*Preceptor in Charge*

M.D., Starling Medical College, 1889; D.Sc., Northland College, 1925. Post-graduate work, New York and other places at various times. Fellow, American College of Surgeons. Member, American Railway Surgical Association, Association of Military Surgeons, Soo and C.N.W. Railway Association. General practice, Ashland, 1891-1901; specialist in surgery, 1901-. Member, State Board of Medical Examiners, 1913-24 (Secretary, 1915-24); Councilor, State Medical Society, Member of Staff, Ashland General and St. Joseph's Hospitals.

ASSOCIATE AND ASSISTANT PRECEPTORS

ADELLON DEVILLA ANDRUS.

M.D., Colorado, 1912; Intern, Wisconsin State Tuberculosis Sanatorium, 1916-17. U. S. Army, 1917-18. Post-graduate work, University of Minnesota, the University of Chicago and Chicago Memorial Hospital. General practice, specializing in diseases of the chest, Ashland. Assistant Superintendent, Wisconsin State Tuberculosis Sanatorium, 1916-17. Member of Staff, Ashland General and St. Joseph's Hospitals.

ADELLON P. ANDRUS.

M.D., Hahnemann, Chicago, 1880. General practice, Fairchild, Wisconsin, 1880-88; Ashland, 1888-. Ex-president, Wisconsin State Board of Medical Examiners. Member of Staff, Ashland General and St. Joseph's Hospitals.

HERBERT CLARENCE KIMBERLIN.

M.D., Ensworth Medical College, 1911. Staff physician, Hospital Insane, St. Joseph, Missouri, 1915. U. S. Army, 1918-19. Post-graduate work, St. Joseph, Missouri, 2 years. In practice, specializing in Eye, Ear, Nose and Throat work, St. Joseph, Missouri, 1911-17; Trenton, Missouri, 1917-26; Ashland, 1926-. Member of Staff, Ashland General and St. Joseph's Hospitals.

CLYDE JEFFREY SMILES

M.D., Pennsylvania, 1911; Intern, St. Joseph's Hospital, Ashland, Wisconsin, 1911-12. Post-graduate work in Urology, Chicago, 1920. General practice, Ashland, 1912-20; specializing in Surgery and Urology, 1920-. Radiologist, St. Joseph's Hospital, Ashland, 1912-16; Ashland General Hospital, 1917-20. Member of Radiological Society of North America. President, Ashland, Bayfield, Iron County Medical Society. Member staff, Ashland General and St. Joseph's Hospitals.

EAU CLAIRE

Luther and Sacred Heart Hospitals

A

H. CHRISTIAN U. MIDELFART.....*Preceptor in Charge*

B.S., Norway, 1892; M.D., Norway, 1892; Intern, Rex Hospital, Christiana, Norway, 1892-93; Private Clinic, Bergen, Norway. Post-graduate work, 1895-96. General practice, Eau Claire, 1897-. Member, American College of Surgeons. Staff, Luther and Sacred Heart Hospitals.

ASSOCIATE AND ASSISTANT PRECEPTORS

FIN GERHARD ANDERSON.

A.B., St. Olaf College, 1916; M.D., Northwestern, 1920; Intern, Michael Reese Hospital, Chicago, 1920-21. In practice of Surgery and Obstetrics, Eau Claire, 1921-. Staff, Luther Hospital and Sacred Heart Hospital.

CLARENCE HENRY FALSTAD.

B.S., Wisconsin, 1920; M.D., Harvard, 1922; Intern, St. Mary's Lying-In Hospital, Dorchester, Massachusetts, 6 mos., 1922; Boston City Hospital, 1923-24. General practice, Goddard Clinic, Brockton, Massachusetts, 6 mos., 1925; State University of Iowa, 6 mos., 1925; practice in Obstetrics and Pediatrics, Eau Claire, 1926-. Visiting physician, Child Welfare Clinic, Eau Claire.

GJERMUND HOYME.

A.B., St. Olaf College, 1914; M.D., Northwestern, 1918; Intern, Mercy Hospital, Chicago, 1918; Kings County Hospital, Brooklyn, N. Y., 1918-19. In practice of Internal Medicine and Gastro-enterology, Eau Claire, 1920-. Member, American Radiological Society. Staff, Luther Hospital and Sacred Heart Hospital.

JULIAN YERKES MALONE.

A.B., Ripon College, 1915; M.S., Wisconsin, 1917; M.D., Washington, 1921. Assistant in Biology, Ripon College. Assistant in Zoology, Wisconsin, 1915; Assistant in Pharmacology and Toxicology, 1916; Instructor in Pharmacology and Toxicology, 1917. Instructor in Pharmacology, Washington University; Research Fellow in Neurological Surgery; Surgeon to Out-patients in Ophthalmology. Junior Physiologist, Bureau of Mines. Chemical Warfare Service; Lieutenant, Chemical Warfare Service during World War. Surgical Intern, Barnes Hospital, 1922. Practice in Ophthalmology, St. Louis; Eye, Ear, Nose, and Throat, Asheville, North Carolina. Member of Staff, Luther Hospital and Sacred Heart Hospital.

HARTWICK MARTINUS STANG.

B.S., Wisconsin, 1916; M.D., Harvard, 1919; Intern, Hartford Hospital, Hartford, Connecticut, 1919-20. Post-graduate work, New York. In practice of Urology, Eau Claire, 1921-. Member, American Urological Association, Wisconsin Urological Association, North Central Branch of American Urological Association. Staff, Luther Hospital and Sacred Heart Hospital.

IVER STOLAND.

A.B., South Dakota, 1909; M.D., Rush, 1911; Intern, Cook County Hospital, 1912-13. U. S. Army Evacuation Hosp. No. 1, 1917-19. Post-graduate work, New York, 1920. General practice, Eau Claire, 1914-17; practice limited to Surgery, General and Orthopedic, 1919-. Staff, Luther Hospital and Sacred Heart Hospital.

NELS WERNER.

M.D., Rush, 1904. Member of Staff, Luther Hospital.

B

HERMAN FERDINAND DERGE.....*Preceptor in Charge*

B.A., Wisconsin, 1904; M.D., Johns Hopkins, 1908; Intern, Johns Hopkins Hospital, 1908-09. U. S. Medical Corps, 1918-19. Practice in General Surgery, Eau Claire, 1909-. Member, Johns Hopkins Surgical Society. President, Eau Claire County Medical Society, 1917-18. Member of Staff, Sacred Heart and Luther Hospitals.

ASSOCIATE AND ASSISTANT PRECEPTORS

FRED SUTTON COOK.

M.D., State University of Iowa, 1907; Intern, University of Iowa Hospital, Department of Otolaryngology under Professor Dean, 1905-07. Post-graduate work, Wills Hospital, Philadelphia; Manhattan Hospital, New York. Practice in Eye, Ear, Nose, and Throat work, 1908-. Member, Minnesota Academy Otolaryngology, North Wisconsin Eye, Ear, Nose, and Throat society. Member of Staff, Sacred Heart Hospital.

EDWIN PATRICK HAYES.

M.D., Marquette, 1913; Intern, St. Paul, 1913-14. Post-Graduate work, DeLee's, University of Minnesota. U. S. Army, 2 years. Practice in Obstetrics and Pediatrics, Eau Claire, 1914-. Past Secretary, Eau Claire County Medical Society. Member of Staff, Sacred Heart and Luther Hospitals.

EVERETT LEE MASON

M.D., Chicago Homeopathic Medical College, 1903; M.D., Northwestern, 1909; Intern, Cook County Hospital, 1903-04. U. S. Army, Camp Dodge, Base Hospital. Post-graduate work, Laboratory Surgical Technique, Chicago. General practice, Eau Claire, 1904-09; specializing in Surgery, 1909-. Past Member of Executive Staff, Luther and Sacred Heart Hospitals, Eau Claire. Head Medical Examiner, Mutual Life Insurance Company, Madison, 1914-. Member of Staff, Sacred Heart and Luther Hospitals.

JOHN EDWARD BERRIDGE ZIEGLER.

M.D., Maryland, 1908; Intern, University Hospital, Baltimore, 1908-09. Post-graduate work, Germany, 1½ years. First Lieutenant, Medical Corps, U. S. Army, 1918-19. General practice, specializing in Internal Medicine, Hayward, 1909-13; Eau Claire, 1914-. Member of Staff, Sacred Heart and Luther Hospitals.

JANESVILLE

Mercy Hospital

A

WILLIAM THAW CLARK.....*Preceptor in Charge*

B.S., Beloit College, 1903; M.D., The General Medical College, Chicago, 1907; Intern, Emergency Hospital, 1907-08; General Hospital, 1908-09. Instructor, R.O.T.C., Ft. Riley, Kansas, 1917-18; Major, M.C., Adjutant, R.O.T.C., Ft. Riley, Kansas, 1918-19. General practice Ft. Atkinson, 1909-17; Janesville, 1919-. Past President, Rock County Medical Society; Past Vice President, Staff, Mercy Hospital. Chairman, Executive Board of Staff, Mercy Hospital; Medical Member of Board of Trustees, Mercy Hospital.

ASSOCIATE AND ASSISTANT PRECEPTORS

CHARLES HENRY SUTHERLAND.

M.D., Chicago Homeopathic Medical College, 1903; M.D., Northwestern, 1909; Intern, Cook County Hospital, 1903-04. General practice, Janesville, 1904-. Member, State Board of Health, Wisconsin. President, County Medical Society; Secretary of Staff, Mercy Hospital.

FREDERICK ELSWORTH SUTHERLAND.

M.D., Chicago Homeopathic Medical College, 1903; M.D., Northwestern, 1908; Intern, 1903-04. General practice, Janesville, 1908-. Member of Staff, Mercy Hospital.

FRANK WALTER VAN KIRK.

B.S., Wisconsin, 1898; M.D., Rush, 1901; Intern, St. Lukes Hospital, Chicago, 1901-03. Major, M.C. 359th Inf. 180 Brigade, 90th Division, U. S. Army, 2 years. Post-graduate work, Vienna, Austria, 1903-04. General practice, specializing in Gynecology, Chicago, 1904-09; Janesville, 1909-. Member, American College of Surgeons. Assistant Gynecologist, Wesley Hospital, Chicago, 1907-09. Member of Staff, Mercy Hospital.

GUY CLIFFORD WAUFLE.

M.D., Illinois, 1903. General practice, Capron, Illinois, 1903-06; Janesville, 1906-. Member of Staff, Mercy Hospital.

B

WAYNE ALONZO MUNN.....*Preceptor in Charge*

M.D., Northwestern, 1906; Intern, St. Lukes Hospital, Denver, Colorado, 1906-07. Contract Surgeon, U. S. Army, Fort Du Chene, Utah, 1907; 1st Lieutenant, U. S. Army, 1918. General practice, specializing in Surgery, Janesville, 1908-. Member, American Association for the Study of Goitre. Past President of Staff, Mercy Hospital; Past President, Rock County Medical Society. Member of Staff, Mercy Hospital.

ASSOCIATE AND ASSISTANT PRECEPTORS

GEORGE E. CROSLY.

M.D., Chicago Homeopathic Medical College, 1897. Post-graduate work, New York Post-Graduate School and Fox Hills, New York Reconstruction Hospital. General practice, Algonquin, Illinois, 1897-1900; Albion, Milton, and Janesville, 1900-1927; specializing in Physical Therapy, 1921-. Member, American Society Electro-Therapeutics. Member of Staff, Mercy Hospital.

FRANK B. FARNSWORTH.

M.D., Northwestern, 1898. Post-graduate work, New York Post-graduate School. General practice, Janesville, 1898-. Vice-President, Rock County Medical Society; President, Mercy Hospital staff.

JOHN PATRICK HARKINS.

M.D., Chicago College of Medicine and Surgery, 1915. U. S. Army, 1918-19. Post-graduate work (House Surgeon), Chicago Eye, Ear, Nose & Throat Hospital. Past consultant to North Dakota Agricultural College. General practice, specializing in Eye, Ear, Nose and Throat work, 1915-. Member of Staff, Mercy Hospital.

VINCENT WILLIAM KOCH.

B.S., Wisconsin, 1913; M.D., Rush, 1916; Intern, St. Lukes Hospital, Chicago, 1916-17; Assistant Surgeon U. S. Steel Mills, Gary, Indiana, 1917-18; Orthopedic Surgery with Dr. Albee, New York City Post-Graduate Hospital, 1918; Internal Medicine, New York City Post-Graduate Hospital, 1919; Fellowship in Medicine, Academy of Medicine, London, England, 1919-20; with Sir William Osler at Red Cliffe Infirmary, Oxford, England, 1920. General practice, specializing in Internal Medicine and Orthopedic Surgery, Janesville, 1920-. Member, American Heart Association and Chicago Orthopedic Society. Member of Staff, Mercy Hospital.

FREDERICK HENRY KUEGLE.

A.B., Nebraska, 1899; M.D., The John A. Creighton Medical College, Omaha, Nebraska, 1905; Intern, Mercy Hospital, Council Bluffs, Iowa, 1905-06. Post-graduate work, Vienna, 1914. General practice, Nebraska, 1906-14; Specializing in Roentgenology, Omaha, Nebraska, 1914-18; U. S. Army, 1918-19; Sioux City, Iowa, 1920-26; Janesville, 1926-. Member, The Radiological Society of North America. Asst. Supt., Nebraska State Hospital for Insane, 1907-08 and 1911-13; Asst. Supt., Colorado State Hospital for Insane, 1911; Roentgenologist, Nichols Senn Hospital, Omaha, Nebraska, 1914-18; Roentgenologist, Mercy Hospital, 1926-.

C

THOMAS WALTER NUZUM.....*Preceptor in Charge*

M.D., Rush, 1885; Intern, Augustana Hospital, Chicago, Illinois, 1900; Intern, Vienna, 1906. First Lieutenant, U. S. Army, London, 1914; in charge of Surgical Department Fort Sheridan, 1918. General practice, Specializing in Surgery, Albany, 1885-1888; Brodhead, 1888-1906; Janesville, 1906-. Member, American College of Surgeons, Interstate Medical Assembly. Past president, Green County Medical Society, Rock County Medical Society, Staff of Mercy Hospital. Member of Staff, Mercy Hospital.

ASSOCIATE AND ASSISTANT PRECEPTORS

RALPH CHAPEL HARTMAN.

B.S., Wisconsin, 1911; M.D., Illinois, 1914; Intern, Lakeview Hospital, Chicago, Illinois, 1914. Captain Ambulance Company, U. S. Army, 1917-19. Post-graduate work, Minnesota, 1920. General practice, specializing in Obstetrics, Newton, Kansas, 1914-17; Janesville, 1919-. Member, Interstate Medical Assembly. Member of Staff, Kiwanis Welfare Clinic for Children, Mercy Hospital.

THOMAS OCHSNER NUZUM.

B.S., Wisconsin, 1923; M.D., Rush, 1925; Intern, Augustana Hospital, 1925-26, Cook County Hospital, 1926-27. General practice, Janesville, 1927-. Member of Staff, Kiwanis Welfare Clinic for Children; Member of Staff and Pathologist, Mercy Hospital.

AUBREY HUMPHREY PEMBER.

B.S., Northwestern, 1916; M.D., Northwestern, 1918; Intern, Augustana Hospital, Chicago, 1918-20, Cook County Hospital, 1920-21. Captain, U. S. Army Reserve Corps. Post-graduate work in Eye, Ear, Nose and Throat, Cook County Hospital, 1923-24; Vienna, 1926. General practice, Janesville, 1922-23; specializing in Eye, Ear, Nose, and Throat, 1924-28. Member, Interstate Medical Assembly, American Academy of Ophthalmology and Otolaryngology. Past Resident Physician, Cook County Hospital, Eye, Ear, Nose, and Throat. Member of Staff, Kiwanis Welfare Clinic for Children, Mercy Hospital.

STEWART FRANKLIN RICHARDS.

D.D.S., Denver, Colorado, College of Physicians and Surgeons, 1912. General practice, specializing in Oral Surgery, Janesville, 1912-. Member of Staff, Kiwanis Welfare Clinic for Children, Mercy Hospital.

THOMAS JOSEPH SNODGRASS.

B.S., Minnesota, 1915; M.D., Minnesota, 1916; Intern, University Hospital, Minnesota, 1916-17. Post-graduate work in war surgery. First Lieutenant, U. S. Army, 1917-18. General practice, specializing in general surgery, Janesville, 1918-. Member, Interstate Medical Assembly. Past President, Rock County Medical Society. Physician in Charge of Rock County Hospital. Member of Staff, Kiwanis Welfare Clinic for Children, Mercy Hospital.

GERALD KELLEY WOOLL.

B.S., Wisconsin, 1917; M.D., Rush, 1919; Intern, Alexian Brothers Hospital, Chicago, 1919-20. Medical Enlisted Reserve Corps. General practice, Janesville, 1920-21; specializing in Urology, 1922-. Member, Interstate Medical Assembly. Past Secretary, Rock County Medical Society. Member of Staff, Kiwanis Welfare Clinic for Children; Vice-President, Mercy Hospital Staff.

LA CROSSE

A

*Lutheran Hospital*ADOLPH GUNDERSEN.....*Preceptor in Charge*

Graduate, University of Norway, 1883; M.D., 1890; Intern, Community Hospital, Bergen, 1889. Resident, Riks hospitalet, Christiania, 1890. Post-graduate study, Berlin, 1893; Vienna and Bern, 1896. Member, American College of Surgeons. Honorary member, Kirung forening, Christiania. General practice, La Crosse, 1891-96; specialist in surgery, 1896-. Member, Board of Regents, University of Wisconsin. Member of Staff, St. Francis Hospital; Chief of Staff, Lutheran Hospital.

ASSOCIATE AND ASSISTANT PRECEPTORS

EDWARD SAMUEL CARLSON.

B.A., Bethany College, Lindsborg, Kansas, 1912; M.D., Rush, 1918; Intern, La Crosse Lutheran Hospital, La Crosse, 1918-19. General practice, La Crosse, 1918-. Gynecologist and Obstetrician, Lutheran Hospital; member of Staff, St. Francis Hospital.

PAUL C. GATTERDAM.

B.S., Wisconsin, 1922; M.D., Washington, 1924; Intern, La Crosse Lutheran Hospital, 1924-25. U. S. Army, 1917-19. House Physician, La Crosse Lutheran Hospital, 1925-.

ALF HELGE GUNDERSEN.

M.D., Harvard, 1923; Intern, General Memorial Hospital, New York City, 4 mos., 1923; Roosevelt Hospital, New York City, Surgical service, 1923-25; Roosevelt Hospital, special Urological service, 6 mos., 1926. Field Artillery, U. S. Army, 1918. Practice in Urology, La Crosse, 1926-. Member, Wisconsin Urological Society. Staff, La Crosse Lutheran Hospital, St. Francis Hospital.

GUNNAR GUNDERSEN.

B.S., Wisconsin, 1917; M.D., College Physicians and Surgeons, Columbia University, 1920. Practice in Abdominal Surgery and Gastro-Enterology. Member of Staff, Lutheran and St. Francis Hospitals.

SIGURD BJARNE GUNDERSEN

B.S., Wisconsin, 1917; M.D., College Physicians and Surgeons, Columbia University, 1920. Practice in General Surgery. Member, American College of Surgeons. Member of Staff, Lutheran and St. Francis Hospitals.

MARTIN SIVERTSON.

B.A., North Dakota, 1917; M.D., Northwestern, 1920; Intern, La Crosse Lutheran Hospital, 1919-20. General practice, La Crosse, specialty, clinical Pathology, 1920-. Pathologist, Lutheran Hospital; member of Staff, St. Francis Hospital.

B

*St. Francis Hospital*EDWARD EVANS.....*Preceptor in Charge*

M.D., McGill, 1887. Post-graduate study, New York, 1890; Europe, 1896, 1908, 1914, 1918. Member, American College of Surgeons, Western Surgical Association. In practice, La Crosse, 1888-; specialist in Surgery, 1906-; Regent, University of Wisconsin, 1901-13. President, Board of Health, La Crosse, 1910-20; Chairman, Council State Medical Society, 1918-; President, State Medical Society, 1910. Chief Surgeon, St. Francis Hospital, 1900-.

ASSOCIATE AND ASSISTANT PRECEPTORS

WILLIAM EDWARD BANNEN.

M.D., Northwestern, 1908. Practice in Urology, La Crosse. Member, American College of Surgeons. Member of staff, St. Francis Hospital.

JAMES AMBROSE EVANS.

B.A., Wisconsin, 1917; M.D., Harvard, 1920; Intern, Barnes Hospital, St. Louis, 1920-21; St. Francis Hospital, La Crosse, 1921-22. Post-graduate study in Europe, 1922-23; Assistant Roentgenologist, Hospital St. Antoine, Paris, 1922; Practice in La Crosse specializing in Internal Medicine and Roentgenology, 1924-; Assistant in Radiology, Peter Bent Brigham Hospital, Boston, 1923-24. Member, Radiological Society of North America. Internist and Radiologist, St. Francis Hospital.

MATTHEW ALOYSIUS MCGARTY.

B.A., St. Thomas College, 1908; M.D., Marquette, 1912; Intern, Milwaukee County Hospital, 1912-13-14. Post-graduate study, Johns Hopkins, 1915; Harvard, 1916; Mayo Clinic, 1919. Instructor special courses for medical officers at Rockefeller Institute, New York City, and Walter Reed Hospital, Washington, during World War. Surgeon, St. Francis Hospital, La Crosse. Private practice, La Crosse, 1914-. Member, American College of Surgeons, 1921-. President, State Medical Society, 1925.

ARCHIBALD AMBROSE SKEMP.

B.S., University of Wisconsin, 1915; M.D., Washington University, 1917; Intern, St. Francis Hospital, La Crosse, 1917-18. Post-graduate study, Cook County Hospital, Chicago, 1919; University of Minnesota, 1921. Practice in La Crosse, 1917-. Staff, St. Francis Hospital, 1918-.

DEAN STANLEY SMITH.

M.D., University of Illinois, 1915; Intern, Passavant Memorial, Chicago, 1915-16; Illinois Charitable Eye and Ear Infirmary, 1916-17. Post-graduate study, University of Pennsylvania, 1921; Harvard University, 1922-1923; University of Vienna, 1924; Denver, 1925. Practice in La Crosse, 1917-. Attending specialist U. S. Veterans Bureau, 1919-23. Fellow, American College of Surgeons. Member, American Academy of Ophthalmology. Attending Ophthalmologist and Otolaryngologist, St. Francis Hospital, La Crosse.

EUGENE HERBERT TOWNSEND.

B.S., Wisconsin, 1914; M.D., Rush, 1917; Intern, St. Francis Hospital, 1917-18. Instructor in Anatomy, Wisconsin, 1912-14. First Lieutenant, Medical Corps, during World War. General practice, New Lisbon, Wis., 1919; La Crosse, 1919-. Member of Advisory Board, St. Francis Hospital, La Crosse.

HERMAN E. WOLF.

B.S., Wisconsin, 1900; M.D., Rush, 1903; Intern, Cook County Hospital, 1903-05. Fellow in pathology, Rush, 1905-06. General practice, La Crosse, 1906-. Member of Staff, St. Francis Hospital, La Crosse.

MADISON

*Methodist Hospital*REGINALD HENRY JACKSON.....*Preceptor in Charge*

M.D., Columbia University, 1899; Presbyterian Hospital, 1899-1901. Member of Western Surgical Association and of the American College of Surgeons. Lecturer in Surgery, Wisconsin, 1915-25; Clinical Professor of Surgery, 1925-28. Surgeon and Chief of Staff, Methodist Hospital.

ASSOCIATE AND ASSISTANT PRECEPTORS

ALBERT WAITE BRYAN.

B.S., Iowa, 1918; M.S., Iowa, 1920; Intern, University Iowa Hospital, 1920-21. U. S. Army Veterans Exam, Lincoln, Nebraska, 2 years. Graduate work, Mayo Foundation, Rochester, 3½ years, with degree M.S. Internal Medicine from University of Minnesota. General practice, Lincoln, Nebraska, specializing in Internal Medicine, 2 years. Member Resident and Ex-Resident Association, Mayo Clinic. Neurologist and Assistant in Internal Medicine, Methodist Hospital, Madison.

CARROLL KENNETH COOK.

B.S., Iowa, 1922; M.D., Michigan, 1924; Intern, Methodist Hospital, Madison, 1925-26. Past Assistant Industrial Surgeon, Illinois Steel Co., Gary, Indiana, Carnegie Steel Co., Pittsburgh; Assistant Industrial and Bone Surgeon, Methodist Hospital, Madison.

GEORGE HOBART EWELL.

M.D., St. Louis University, 1920; Intern, St. Joseph Hospital, Kansas City, Missouri, 1920-21; Out-Patient Department, Medicine and Pediatrics, Kansas City General Hospital, 1921-22; Lennox Hill Hospital, New York City, Medicine, 1922-23; Resident Pathologist, Hospital, Pennsylvania, 1923-24. City Physician, Kansas City, Missouri, 1924-25. Practice in Urology, Kansas City, Missouri, 1924-27. Member of Staff, St. Joseph Hospital, Kansas City, Missouri, 1924-28; Trinity Lutheran, 1926-28; Research Hospital, 1926-28; Junior Attending Urologist, Christian Church Hospital, 1925-26; Attending Urologist, St. Margaret's Hospital, 1927. Urologist, Methodist Hospital.

CARL SAMUEL HARPER.

B.S., Wisconsin, 1914; M.D., Pennsylvania, 1916; Intern, St. Christopher's Hospital for Children, Philadelphia, 1916; Intern, the Brooklyn Hospital, Brooklyn, New York, 1916-18. Resident in Obstetrics and Gynecology, Brooklyn Hospital, 1920-21. Obstetrician and Gynecologist, Methodist Hospital, Madison, 1921-. Associate in Obstetrics and Gynecology, Wisconsin, 1925-26; Assistant Professor, 1926-28; Clinical Assistant Professor, 1928-; Associate Obstetrician and Gynecologist, Wisconsin General Hospital, 1926-.

JOHN ALBERT HURLBUT.

M.D., Northwestern, 1923; Intern, Methodist Hospital, Madison, 18 months. Vocational Section, U. S. Army, Camp Logan, Denver, Colorado. Practice, specializing in Goiter Surgery and Ear, Nose, and Throat, Methodist Hospital, Madison, 1924-. Assistant in General Surgery, Associate in Goiter Surgery, Associate in Ear, Nose, and Throat, Methodist Hospital, Madison.

ARNOLD STEVENS JACKSON.

B.A., Wisconsin, 1916; B.S., Wisconsin, 1917; M.D., College of Physicians and Surgeons, Columbia University, 1919; Intern, Madison General Hospital, 1919; St. Mary's Hospital, Rochester, Minnesota, 1919-20. Post-graduate work, Mayo Clinic, 1919-22. General practice, specializing in diseases of the Thyroid Gland, Madison, 1922-. Member, Western Surgical Society. Attending Surgeon, Methodist Hospital.

JAMES ALBERT JACKSON.

M.D., Columbia, 1910; Intern, Bellevue Hospital, 1910-11. Clinical Associate in Surgery, Wisconsin, 1921-28. Surgeon, Methodist Hospital.

HAROLD EDWARD MARSH.

M.D., Tufts, 1913; Intern, Malden Hospital, Malden, Massachusetts, 1913-14; Mayo Clinic, 1915-18, 1919-20. Post-graduate work, Vienna, 1927. U. S. Army, 1918-19. Practice in Internal Medicine, Madison, 1920-28. Member, American Medical Association of Vienna. Consultant, Mayo Clinic, 1919-20. Internist, Methodist Hospital.

JOE NEWTON SISK.

B.Sc., Texas Christian University, 1921; M.D., Baylor University, 1921; Intern, Knights Templar Hospital, Arlington, Texas, 1920-21. Member of the Radiological Society of North America. Radiologist, St. Joseph's Infirmary, Fort Worth, 1921-22. Instructor in Roentgenology, Wisconsin, 1925-26; Clinical Associate, 1926-28. Radiologist, Methodist Hospital.

MARSHFIELD

*St. Joseph's Hospital*KARL W. DOEGE.....*Preceptor in Charge*

M.D., Western Reserve, 1890. Member of Advisory Board, U. S. Army. Post-graduate work, Berlin, Germany, 1896-97; Johns Hopkins, 1901-02; Vienna, 1922-23. Practice in General Surgery, Marshfield, 1890-. Member, American College of Surgeons. Surgeon in Chief, St. Joseph's Hospital.

ASSOCIATE AND ASSISTANT PRECEPTORS

LYMAN A. COPPS.

B.S., University of Chicago, 1913; M.D., Rush, 1915; Intern, Durand Hospital for Contagious Diseases, 1915; Children's Memorial Hospital, 1915; Cook County Hospital, 1915-16. Staff Resident, Ophthalmology and Otolaryngology, Cook County Hospital, 1916-17; Assistant in Ophthalmology, University of Illinois. (Ophthalmologist Base Hospital 12) General Hospital 18 B. E. F., Consulting Ophthalmologist Base Section 1, U. S. Army, 1917-19. Practice in Eye, Ear, Nose and Throat, Chicago, 1919; Marshfield, Wisconsin, 1920-. Member, American College of Surgeons, the American Academy of Ophthalmology and Otolaryngology, Chicago Ophthalmological Society, Central Wisconsin Society of Ophthalmology and Otolaryngology. Ophthalmologist, St. Joseph's Hospital.

KARL HERMAN DOEGE.

B.S., Wisconsin, 1914; M.D., Johns Hopkins, 1917; Intern, Bayview Hospital, Baltimore, Md., 1917. Lieutenant, Medical Corps, U. S. Army, 1918. Post-graduate work, Europe, 1922. In practice of Internal Medicine, Marshfield, Wis., 1920-. Member, Radiological Society of North America. Member of Staff, St. Joseph's Hospital.

WILLIAM HIPKE.

M.D., Illinois, 1891. Post-graduate work, Chicago, Eye, Ear, Nose and Throat College, 1908; University of Vienna, 1909. Practice, Hustisford, Wisconsin, 16 yrs.; practice in Eye, Ear, Nose and Throat, Marshfield, 18 yrs. Member, Central Wisconsin Otolaryngological Society. Member of Staff, St. Joseph's Hospital.

VICTOR ALWYN MASON.

M.D.; C.M., University of Toronto, 1906. Silver medalist in Medicine, Trinity University, Toronto, 1906. F.T.C.M., Trinity Medical College, 1906. One year Post-graduate work in Edinburgh, London, and Vienna, 1907. Post-graduate study in various hospitals and clinics of America. Practice in General Surgery, Marshfield, Wisconsin, 1908-. Surgeon, St. Joseph's Hospital.

HANSFORD H. MILBEE.

M.D., C.M., Trinity University, Toronto, 1896; F.T.M.C., Trinity Medical College, 1896; General Practice, Roberts, Wisconsin, 1896-1899; Assistant in Neurology, Post-Graduate Medical School, Chicago, 1900. General Practice Marshfield, 1901-1917. Prac-

tice limited to cardio-vascular and renal diseases, Marshfield, 1917-. Member of Advisory Board, U. S. Army. Member of Congress of Internal Medicine. Member of Staff, St. Joseph's Hospital.

ROY PILLING POTTER.

M.D., Milwaukee Medical College, 1903. Captain, Medical Corps, U. S. Army. In general practice, Auburndale, Wisconsin, 1903-10; Marshfield, 1910-17; practice limited to Roentgenology, 1917-. Member, Radiological Society of North America. Roentgenologist, St. Joseph's Hospital.

SAMUEL GEORGE SCHWARZ.

M.D., Milwaukee Medical College, 1900. Post-graduate work in Physio-therapy, 1924; Post-graduate work, University of Vienna, 1927-28. U. S. Army, 1916-18. In general practice, Granton, Wisconsin, 12 yrs.; Humbird, Wisconsin, 12 yrs.; specializing in Physio-therapy and Dermatology, Marshfield, 1924-. Member, American Academy of Physio-therapy.

WALTER GRESHAM SEXTON.

B.A., Wisconsin, 1908; M.D., Johns Hopkins, 1911. Resident house officer, Johns Hopkins Hospital, 1911-12; Assistant Resident Surgeon, Hebrew Hospital, Baltimore, 1912-13; Chief Resident Surgeon, Hebrew Hospital, Baltimore, 1913-14. First Lieutenant, U. S. Army Medical Corps, 1918-19. Post-graduate work, University of Vienna, 1925. Member, American Urological Society, Chicago Urological Society, North Central Urological Society, Wisconsin Urological Society. Urologist, St. Joseph's Hospital.

JAMES BLAINE VEDDER.

M.D., Northwestern, 1905. U. S. Army, 1918-19. Post-graduate work Children's Memorial, Chicago, 1923; Vienna, Austria, 1926. General practice, Marshfield, 1905-20; practice of Pediatrics, 1920-. Member of Staff, St. Joseph's Hospital.

HARRY A. VEDDER.

M.D., Northwestern, 1905. Post-graduate work, Chicago, 1916; New York, 1923; Surgical Institute, Chicago, 1926. In general practice, Edgar, Wisconsin, 1906-16; Marshfield, 1916-19; specializing in Surgery, 1919-. Member of Staff, St. Joseph's Hospital.

MILWAUKEE

Mt. Sinai and Milwaukee Hospitals

ARTHUR JACKSON PATEK.....*Preceptor in Charge*

A.B., Johns Hopkins, 1889; M.D., Pennsylvania, 1892; Intern, German Hospital, Philadelphia, 1892-94. Captain, Medical Corps, U. S. Army. Post-graduate work, Vienna, 1894-96. General practice, Milwaukee, 1896-1910; specializing in Internal Medicine, 1910-. Fellow of American College of Physicians. Past president, State Medical Society of Wisconsin, Medical Society of Milwaukee County, Milwaukee Academy of Medicine. Member of Staff, Columbia Hospital, Milwaukee Hospital, Mt. Sinai Hospital; Member of Consulting Staff, Milwaukee County Hospital, Milwaukee Childrens' Hospital.

ASSOCIATE AND ASSISTANT PRECEPTORS

CARL WALTER EBERBACH.

A.B., Michigan, 1912; M.D., Michigan, 1916; Intern, Medical Service Barnes Hospital, St. Louis, 1916-17. U. S. Army, 1917-19. On surgical staff, University Hospital, Ann Arbor, Michigan, 1919-28. Assistant Professor of Surgery, Michigan, 1919-28. Fellow, American College of Surgeons. On staff, Mt. Sinai and Milwaukee Hospitals, 1928-.

HAROLD WILLIAM SHUTTER.

B.S., Michigan, 1914; M.D., Michigan, 1916; Intern, Long Island College Hospital, 1916-17; Johns Hopkins, 1917. U. S. Army, 1917-18. Post-graduate work, Long Island College Hospital. Resident in Obstetrics and Gynecology, Long Island College Hospital, 1918-20. Specializing in Obstetrics and Gynecology, Milwaukee, 1920-. Member, Milwaukee Surgical Society, Chicago Gynecological Society. Member of Staff, Columbia, Milwaukee, Mt. Sinai, County, and Salvation Army Hospitals.

CHARLES HATCH STODDARD.

M.D., Illinois, 1892; Intern, Michael Reese Hospital, 1892-93. Major, Medical Corps, U. S. Army. Post-graduate work, University of Vienna, 1893-94; University of Strassburg, 1894. General practice, Colton, California, 1894-97; Milwaukee, 1897-1917; specializing in Internal Medicine, Milwaukee, 1917-. Member, American College of Physicians. President, Medical Society Milwaukee County, 1927. Member of Staff, Milwaukee County, Columbia, and Mt. Sinai Hospitals; Member of Consulting Staff, Milwaukee Children's Hospital.

OSHKOSH

*St. Mary's and Mercy Hospitals*FRANK GREGORY CONNELL.....*Preceptor in Charge*

M.D., Rush, 1896. Post-graduate work, University of Illinois Medical School, 1896-97. Intern, Alexian Brothers' Hospital, Chicago, Illinois, 1897-98; Passavant Memorial Hospital, Chicago, 1899-1900. Chairman, Medical Advisory Board, U. S. Army. In practice of General Surgery and Gastro-Intestinal Diseases, Chicago, 1899-1901; Colorado, 1901-05; Oshkosh, Wisconsin, 1905-. Member, American College of Surgeons, Western Surgical Association, Council State Medical Society. President, State Medical Society, 1924. Attending Surgeon, St. Mary's and Mercy Hospitals.

ASSOCIATE AND ASSISTANT PRECEPTORS

NEIL ANDREWS, JR.

A.B., Brown University, 1892; M.D., Northwestern, 1904; Intern, St. Mary's Hospital, 1904-05. Captain, U. S. Army, 1918. General practice, Oshkosh, 1904. Member, American College of Physicians. Staff, St. Mary's and Mercy Hospitals.

EDWIN FORREST BICKEL.

A.B., Ursinus College, 1900; M.D., Medico-Chirurgical College, Philadelphia, 1903; Intern, State Hospital for Injured Miners, Fountain Springs, Pennsylvania, 1903-04. Captain, Medical Corps, U. S. Army, 1918. Post-graduate work, Polyclinic Hospital, Philadelphia, 1909; University of Minnesota, 1914; Harvard, 1920; University of Berne, Switzerland, 1925. In general practice, Shamokin, Pennsylvania, 1904-14; Oshkosh, Wisconsin, 1914-. Member of Staff, St. Mary's and Mercy Hospitals.

BURTON CLARK, JR.

B.S., Wisconsin, 1921; M.D., Harvard, 1923; Intern, St. Luke's Hospital, Chicago, 1923-25; Peter Bent Brigham Hospital, Boston, Surgery, 1925; Boston City Hospital, Boston, Pathology, 1925-26. In general practice, Oshkosh, 1926-. Member of Staff, St. Mary's and Mercy Hospitals.

CLARENDON JAMES COMBS.

A.B., Michigan Agricultural College, 1894; M.D., Michigan, 1898. Lieutenant Colonel, 340th Field Artillery, U. S. Army. In practice, General Surgery, Oshkosh, 1917-. Member, American College of Surgeons. Surgical Staff, St. Mary's and Mercy Hospitals.

JOHN FERDINAND SCHNEIDER.

A.B., Wesleyan University, 1903; M.D., Hahnemann, Philadelphia, 1907; Intern, Hahnemann Hospital, Scranton, Pennsylvania, 1907-08. Post-graduate work, Jefferson Medical College, Philadelphia, 1909-10; New York Post-Graduate College and Hospital, 1920. U. S. Army, M.O.R.C., 1917-18. In general practice, Scranton, Pennsylvania, 1908-09; Oshkosh, 1910-17; specializing in Urology, 1919-. Member Urological Society of Wisconsin. Staff, St. Mary's and Mercy Hospitals.

THADDEUS DEWEY SMITH.

M.D., 1908; Intern, St. Luke's Hospital, Utica, New York, 1908-09; Utica State Hospital receiving ward, 1909. Post-graduate work, Rochester, Minnesota, 1911; Harvard Base Hospital, 1917-18. In general practice, lumber camps and mines of California, 1912; Neenah, Wisconsin, 1913-. Member staff, Theda Clark Hospital, Neenah, Wisconsin.

RHINELANDER

*St. Mary's Hospital*IRVING EDWARD SCHIEK.....*Preceptor in Charge*

M.D., Marquette, 1908; Intern, Trinity Hospital, Milwaukee, 1908-09. Resident, Indiana State Hospital, Fort Wayne, Indiana, 1909-10. Captain, Medical Corps, U. S. Army, 1917-19. General practice, Rhinelander, 1910-19; specializing in General Surgery, 1919-. On Surgical Staff, St. Mary's Hospital, Rhinelander, 1910-.

HARRY VICTOR GIBSON.

M.D., Washington University, 1924. In charge of Clinical Laboratories, Fort Wingate, New Mexico, 1918-19. Research Associate, Department of Obstetrics, Washington University, 1924-25; Outpatient Obstetrical Department, Jewish Hospital, Barnes Hospital, St. Louis, 1924-25; Associate Clinician and Chemist, Wisconsin Psychiatric Institute, 1925-27; Associate in Biological Chemistry, Wisconsin, 1925-26; Instructor in Neuro-Psychiatry, 1926-27. Specializing in Internal Medicine, Rhinelander, 1928-. Internist, Staff St. Mary's Hospital, Rhinelander.

ALEXANDER F. HARTER.

Marquette, 1900; M.D., Wisconsin College of Physicians and Surgeons, 1904; Intern, St. Francis Hospital, La Crosse, 1904-05. Post-graduate work, Cornell University Medical College, 1923; Chicago Polyclinic, 1922. General practice, Marathon, Wisconsin, 1905-22; specializing in Eye, Ear, Nose and Throat, 1923-. Member, Central Wisconsin Ophthalmological & Otolaryngological Society. Consultant Ophthalmologist, Wausau Memorial Hospital, Wausau, 1923-26. Consultant Ophthalmologist, St. Mary's Hospital, Rhinelander, 1926-.

LLOYD OSCAR HELMES.

B.S., Wisconsin, 1917; M.D., Washington University, 1919; Intern, Barnes Hospital, St. Louis, 1919; City Hospital, St. Louis, 1920; St. Louis Children's Hospital, 1925-26. Resident, Milwaukee Children's Hospital, 1926-27. General practice, Monroe, 1920-22; Monticello, 1922-25; Specializing in Pediatrics and Obstetrics, Rhinelander, 1927-. Pediatrician, St. Mary's Hospital, Rhinelander, 1927-.

GENTZ PERRY.

B.S., Northern Illinois College, 1890; M.D., Minnesota, 1897; Intern, Asbury Hospital, Minneapolis, 1897-98; St. Mary's Hospital, Minneapolis, 1898-99; Lt. Col. Medical Reserve, U. S. Army; Chief Roentgenologist Base Hospital No. 87, 1918-19; Chief Roentgenologist General Hospital No. 6, Atlanta, Georgia, 1919; Surgeon and Chief Roentgenologist and Chief of Laboratories, U. S. P. H. S., St. Louis, Missouri, 1920-23. Post-graduate work, X-Ray and Radium, Pittsburgh, 1916; School of Military Roentgenology, Pittsburgh, 1917. General practice, Amery, Wisconsin, 1899-1916; specializing in Roentgenology, 1916-. Member, Chicago Roentgen Society, Milwaukee Radiological Society, Radiological Society of North America. Chairman, X-Ray Section, State Medical Society, 1925-27; Roentgenologist, Kenosha Hospital, 1923-26; St. Catherine's Hospital, 1924-26; Marquette University, Milwaukee, 1926-27. Roentgenologist, St. Mary's Hospital, Rhinelander, 1927-.

WAUSAU

A

St. Mary's Hospital

JOSEPH FRANKLIN SMITH.....*Preceptor in Charge*

B.A., Northern Indiana Normal School, 1893; M.D., Rush, 1900; Intern and resident surgeon, Presbyterian Hospital, 1900-04. Associate Surgeon, Presbyterian Hospital, Chicago, 1905-08. Post-graduate work, Vienna, 1906. Member, American College of Surgeons, American Association Railway Surgeons, Chicago Surgical Society, Western Surgical Association. President, State Medical Society, 1925-26; Councilor, State Medical Society, 1912-. Practice of Surgery, Wausau, 1908. President of staff, St. Mary's Hospital.

ASSOCIATE AND ASSISTANT PRECEPTORS

VERNE EVERETT EASTMAN.

A.B., South Dakota, 1918; M.D., Rush, 1921; Intern, Presbyterian Hospital, Chicago, 1920. In practice of Internal Medicine, Wausau, 1922-. Member of staff, St. Mary's Hospital.

SETH M. B. SMITH.

M.D., University of Illinois, 1900. Post-graduate work, Metropolitan Schools Medicine, London, 1903; Harvard Medical School, 1916; Chicago Hospitals, 1913; University of Minnesota, 1924. American Red Cross, Overseas's, 1917-18. In general practice, Crandon, Wisconsin, 1900-05; Wausau, 1905-. Member, Central States Pediatric Society. Member of Staff, St. Mary's Hospital, Attending Physician. Marathon County Asylum and Marathon County Home and Hospital.

B

Wausau Memorial Hospital

MERRITT LA COUNT JONES.....*Preceptor in Charge*

B.S., Wisconsin, 1912; M.D., Harvard, 1915; Intern, Peter Bent Brigham Hospital, 1915-16; Surgical resident, 1916-17. Special work, Orthopedic Surgery, Pennsylvania, 1918. Chief, Orthopedic Service, U. S. A. General Hospital 1, New York City, 1918-19. Surgeon, Wausau Memorial Hospital and Chairman Medical Executive Committee.

ASSOCIATE AND ASSISTANT PRECEPTORS

ROLAND F. FISHER.

B.S., Wisconsin, 1908; M.D., Johns Hopkins, 1912; Intern, Washington University Medical School, St. Louis, 1912-14; Assistant in Surgery, Washington University Medical School, 1914-15; Resident in Barnard Skin-Cancer Hospital, 1915-16. Surgical service in Base Hospital 21, France, 1916-18. Practice in General Surgery, Wausau, 1918-. Secretary of Staff, Wausau Memorial Hospital.

JOSEPH MERVIN FREEMAN.

A.B., De Pauw, 1913; M.D., Harvard, 1918. Student Intern, Clinical Pathology and Pathology, 1916-18; Boston Psychopathic and Boston State Hospitals; Medical Intern, Barnes Hospital, St. Louis, 1918. Surgical office—P. of Emb., Hoboken, N. J. Surgical Service, U.S.A. General Hospital No. 1, 1918. Post-graduate work, Washington University Medical School, 1924. In practice of Internal Medicine, Wausau, 1919-. Member of Staff, Wausau Memorial Hospital.

FORREST HENRY FREY.

B.S., Wisconsin, 1911; M.D., Rush, 1913; Intern, Buffalo General Hospital, Buffalo, New York, 1913-14. Post-graduate work at Clinics, Rush Medical College, 1917, 1919, and Augustana Hospital, 1924. Practice in Internal Medicine, Wausau, 1914-. Staff, Wausau Memorial Hospital.

DAVID T. JONES.

M.D., Illinois, 1888. Post-graduate work, Chicago Clinical School, Harvard Post-graduate School, 1914 and 1916. In general practice, specializing in Obstetrics and Pediatrics, Chilton, Wisconsin, 1881-91; Wausau, 1891-. President, County and district Medical Societies, Surgeon C. & N. W. Railway Company; Surgeon, C. M. & St. P. Ry. Co.; Secretary, U. S. Pension Board; President, Board of Trustees, Wausau Memorial Hospital. Chief of Staff, Wausau Memorial Hospital.

RICHARD W. JONES.

A.B., Carroll College, 1897; M.D., Northwestern, 1902; Intern, People's, Chicago, 1902-03. U. S. Army Medical Corps, 1918-19. General practice, Sussex, Wisconsin, 1903-07; practice in General Surgery, Wausau, 1908-. Member American College of Surgeons. Staff, Wausau Memorial Hospital.

ASSISTANTS

| | |
|-------------------------|--|
| WILLIAM S. BEYER..... | Ophthalmology, Rhinology, and Otolaryngology |
| MRS. ALICE CLARK..... | Pathology |
| WILLIAM E. CLARK..... | Physiological Chemistry |
| KARL FRIEDBACHER..... | Surgery |
| DOUGLAS N. GIBSON..... | Orthopedics |
| ROBERT S. GIBSON..... | Medicine |
| ROBERT P. HERWICK..... | Pharmacology |
| CHESTER KURTZ | Medicine |
| EUGENE W. LANGE..... | Anatomy |
| FLORENCE MAHONEY | Anatomy |
| FRANK MARESH | Physiological Chemistry |
| PHILIP MARQUART | Pathology |
| WENDELL MARSDEN | Anatomy |
| OVID MEYER | Medicine |
| GEORGE C. OWEN..... | Pathology |
| LESTER QUINN | Surgery |
| VAN D. RATHGERBER | Ophthalmology, Rhinology, and Otolaryngology |
| CYRUS G. REZNICHEK..... | Physiology |
| JOHN A. SCHINDLER | Pathology |
| RUBIN H. STIEHM..... | Medicine |
| WARREN D. THAYER..... | Radiology |

STUDENT ASSISTANTS

| | |
|-----------------------------|---------|
| Sam H. Boyer, Jr..... | Anatomy |
| Howard W. Christensen | Anatomy |
| Erwin F. Hoffman | Anatomy |
| George J. Maloof | Anatomy |
| Earl R. Muntz..... | Anatomy |

WISCONSIN GENERAL HOSPITAL

EXECUTIVE COMMITTEE

C. R. BARDEEN, M.D.

J. D. PHILLIPS

J. S. EVANS, M.D.

E. R. SCHMIDT, M.D.

R. C. BUERKI, M.D., Superintendent

MEDICAL STAFF

GENERAL MEDICINE

J. S. EVANS, Physician.

R. VAN VALZAH, Associate Physician.

W. S. MIDDLETON, Associate Physician.

E. L. SEVRINGHAUS, Associate Physician.

R. C. BLANKINSHIP, Associate Physician.

K. L. PUESTOW, Assistant Physician.

F. L. WESTON, Assistant Physician.

R. S. GIBSON, Chief Resident.

OVID MEYER, Resident Physician.

GENERAL SURGERY

E. R. SCHMIDT, Surgeon.

P. F. GREENE, Associate Surgeon.

J. W. GALE, Assistant Surgeon.

R. M. WATERS, Anesthetist.

K. FRIEDBACHER, Resident Surgeon.

DERMATOLOGY

O. H. FOERSTER, Dermatologist.

H. R. FOERSTER, Associate Dermatologist.

R. L. MCINTOSH, Associate Dermatologist.

NEURO-PSYCHIATRY

W. F. LORENZ, Neuro-Psychiatrist.

W. J. BLECKWENN, Associate Neuro-Psychiatrist.

HANS REESE, Associate Neuro-Psychiatrist.

MABEL MASTEN, Assistant Neuro-Psychiatrist.

OPHTHALMOLOGY

F. A. DAVIS, Ophthalmologist.

E. E. NEFF, Associate Ophthalmologist.

RHINOLOGY AND OTOLARYNGOLOGY

W. M. NESBIT, Otolaryngologist.

ORTHOPEDIC AND PLASTIC SURGERY

F. J. GAENSLEN, Orthopedic Surgeon.

G. V. I. BROWN, Plastic Surgeon.

H. C. SCHUMM, Associate Orthopedic Surgeon.

R. E. BURNS, Associate Orthopedic Surgeon.

V. B. HYSLOP, Assistant Plastic Surgeon.

OBSTETRICS AND GYNECOLOGY

JOHN W. HARRIS, Obstetrician and Gynecologist.

RALPH E. CAMPBELL, Associate Obstetrician and Gynecologist.

C. S. HARPER, Associate Obstetrician and Gynecologist.

PEDIATRICS

J. E. GONCE, Associate Pediatrician.

H. K. TENNEY, Associate Pediatrician.

RADIOLOGY AND PHYSICAL THERAPY

E. A. POHLE, Radiologist.

J. C. ELSOM, Physical Therapist.

J. J. BURBY, Associate Radiologist.

UROLOGY

IRA SISK, Urologist.

LABORATORIES

PATHOLOGY AND BACTERIOLOGY

C. H. BUNTING, Pathologist.

P. F. CLARK, Bacteriologist.

CLINICAL PATHOLOGY

W. D. STOVALL, Clinical Pathologist.

CLINICAL CHEMISTRY

ELMER SEVRINGHAUS, Chemist.

MARIAN E. STARK, Instructor.

STUDENT HEALTH SERVICE

WM. A. MOWRY, Physician-in-Chief.
S. I. MORRIS, Associate Physician.
IRMA BACKE, Assistant Physician.
R. I. CANUTESON, Assistant Physician.
M. O. EIEL, Assistant Physician.
F. R. C. FORSTER, Assistant Physician.
C. E. LYGHT, Assistant Physician.
J. T. MORRISON, Assistant Physician.
J. SANFORD, Assistant Physician.

NURSING STAFF

DENNE, HELEN I., B.A., R.N., Professor of Nursing, Director of the School of Nursing.
FLETCHER, LILA B., R.N., Associate Professor of Nursing, Assistant Director.
MURRAY, CHRISTINA, B.A., R.N., Assistant Professor of Nursing.
BAUMGARTNER, MAXINE, R.N., Instructor in Nursing.
BLEECKER, HELEN, R.N., Instructor in Eye, Ear, Nose, and Throat.
CAMPBELL, FRANCES, R.N., Instructor in Night Nursing.
CAREY, GLADYS, R.N., Instructor in Communicable Diseases.
CLIFFORD, MRS. EVA, R.N., Instructor in Orthopedic Nursing.
HARRISON, LUCILLE, R.N., Instructor in Surgical Nursing.
HARTWIG, MARCELLA, R.N., Instructor in Operating-Room Technique.
HULL, DOROTHY, R.N., Instructor in Pediatric Nursing.
KELLOCK, GRACE, R.N., Instructor in Night Nursing.
MATTSON, AGNES, R.N., Instructor in Operating-Room Technique.
NEUBERT, MRS. GILMA, R.N., Instructor in Obstetrical Nursing.
ROBERTS, LILA, R.N., Instructor in Medical Nursing.
RODDAN, FLORENCE, R.N., Instructor in Psychiatric Nursing.
PENDLETON, FRANCES, R.N., Assistant in Communicable Diseases.
STIVARIUS, VELMA, R.N., Assistant in Medical Nursing.
WALHUS, BESSIE, R.N., Assistant in Surgical Nursing.

OTHER OFFICERS

E. KUENZI, Pharmacist.
A. LINDBERG, Technician in Radiology.
W. D. THAYER, Assistant in Radiology.
LEO SCHMELZER, Accountant.

MEDICAL EXTENSION DIVISION

EXECUTIVE COMMITTEE

CHESTER D. SNELL, Dean of the Extension Division, Chairman.
GLENN FRANK, LL.D., President of the University.
ARTHUR W. ROGERS, M.D., Councilor, First District.
CHARLES R. BARDEEN, M.D., Dean of the Medical School.
JOSEPH S. EVANS, M.D., Professor of Medicine.
GEORGE CROWNHART, Secretary of the State Medical Society, *ex-officio*.

ADVISORY COMMITTEE

M. D. BIRD, M.D., Marinette.
O. A. FIEDLER, M.D., Sheboygan.
I. G. BABCOCK, M.D., Cumberland.
R. L. MACCORNACK, M.D., Whitehall.
J. F. WILKINSON, M.D., Oconomowoc.

STATE LABORATORY OF HYGIENE

COMMITTEE IN CHARGE

C. A. HARPER, M.D., State Health Officer.
GUSTAVE WINDESHEIM, M.D., President of the State Board of Health.
GLENN FRANK, LL.D., President of the University.
C. R. BARDEEN, M.D., Dean of the Medical School.

LABORATORY STAFF

W. D. STOVALL, M.D., Director.
M. S. NICHOLS, Chemist.
EMERALD SCHEID, Bacteriologist.
ANNA BUBOLZ, Assistant Bacteriologist.
MILDRED ENGLEBERT, Assistant Bacteriologist.
VERA VINCENT, Assistant Chemist.
ALMA GEIDEL, Secretary.

STATE PSYCHIATRIC INSTITUTE

COMMITTEE OF SUPERVISION

COL. JOHN J. HANNAN, President of Board of Control.
MISS HARRIET GRIM, Vice-President of Board of Control.
FRANK KLODE, Member Board of Control.
GLENN FRANK, LL.D., President of the University.
C. R. BARDEEN, M.D., Dean of the Medical School.
W. F. LORENZ, M.D., Director.

LABORATORY STAFF

W. F. LORENZ, M.D., Director.
W. J. BLECKWENN, M.D., Assistant Director.
HANS REESE, M.D., Associate in Neuro-Psychiatry.
ELMER SEVRINGHAUS, Chemist.
MABEL MASTEN, Junior Physician.
E. M. KEARNEY, Secretary.

STATE TOXICOLOGIST

C. W. MUEHLBERGER, Ph.D., State Toxicologist.
ROBERT P. HERWICK, Assistant Toxicologist.

MEDICAL SCHOOL

AIMS AND METHODS

The aims of the Medical School are:

1. To encourage a thorough preliminary medical education and to offer adequate facilities for a good preparation for clinical work.
2. To promote the development of preventive medicine and hygiene.
3. To stimulate research in the sciences upon which modern medicine is based.

Scientific medicine consists of the application of scientific knowledge and methods, not only to the cure or alleviation, but also to the prevention of disease. It requires a thorough mastery of the fundamental principles of physics, chemistry, and biology, as well as of the more specialized sciences of human anatomy, physiology, pathology, bacteriology, pharmacology, and toxicology. The progress of medicine and hygiene is largely dependent upon progress in these sciences. First-hand knowledge of them, acquired in laboratories under the direction of specialists, is essential for those who desire to treat disease and alleviate human suffering to the best advantage. With this knowledge and training the student can enter intelligently upon the study of the complex problems presented by the sick in dispensaries and hospital wards offering clinical training, and later in private practice. The methods employed in the various laboratories of the Medical School are designed to train the powers of quick observation, of accurate judgment, and of skillful execution, as well as to supply such knowledge of fundamental scientific facts and principles as is most necessary for clinical medicine.

The work in the preclinical sciences is under the direction of specialists who devote their whole time to teaching and investigation, and who are keenly interested in medical problems and progress. In each of the departments certain courses are required of all medical students; others are elective. The required courses are designed to insure a broad basis for clinical medicine. The elective courses aid the students to gain depth of insight and special skill in some one branch, and thus become thorough as well as broad. The elective courses also offer excellent opportunities to graduates who wish to specialize in some one of the medical sciences and to physicians desiring to follow the progress of these sciences to prepare for public health work, or to undertake research.

The clinical part of the medical course is designed to offer practical training in the application of scientific knowledge to the prevention, cure and alleviation of disease. The third year of the medical course is devoted to a consideration of the broader aspects of clinical medicine and of the major medical specialties and to practical work in care of patients in the wards and outpatient departments of the Wisconsin General Hospital. This work is under the general direction of specialists who devote their whole service to care of patients, teaching, and research in the hospital. The teaching is supplemented by that of part-

time men in some of the major specialties. Opportunity is offered for advanced work in the medical sciences as well as for training in routine procedures.

The fourth year of the medical course is designed to offer the students individual training in the art of medicine. Each student is assigned as an apprentice to a series of preceptors in medicine, surgery, and the major specialties. The preceptors are selected on the basis of ability, experience, desire to teach, and clinical facilities available.

GRADUATE AND POST-GRADUATE INSTRUCTION

Graduate work may be defined as advanced work in a major department leading to the degree of Master of Science or of Doctor of Philosophy in that department. Graduate work of this character is offered in each of the departments of the Medical School. This work is carried out under the auspices of the Graduate School of the University. The regulations relating to work for the higher degrees are published in the Bulletins of the Graduate School. Questions relating to such degrees should be addressed to the Dean of the Graduate School.

Post-graduate work may be defined as study carried on after graduation with a view to increase one's knowledge or skill but without aiming at that special mastery in a given field of knowledge which would entitle one to a higher degree. Post-graduate courses offered by the University are of two kinds, intra-mural and extra-mural.

Intra-mural post-graduate clinical courses are those offered by the Medical School at the Wisconsin General Hospital.

Extra-mural post-graduate courses are designed to provide physicians residing in a given locality with practical demonstrations of the newer methods of diagnosing and treating disease. Clinics are held at a hospital conveniently located, illustrated lectures are given and opportunity is offered for consultation with specialists. Arrangements for these clinics and lectures may be made by cooperation between the local physicians under whose auspices the clinics and lectures are held, and the Extension Division of the University.

Other aids for post-graduate study furnished members of the medical profession in Wisconsin by the University include:

1. Extension Medical Library Service. Books, periodicals, and reprints are sent by mail to physicians in the State and references and bibliographies are prepared at request.

2. Speakers are furnished for medical meetings.

3. Models, charts, photographs, lantern slides, and moving picture films, relating to medicine and hygiene are kept in considerable numbers by the Extension Division and are available to physicians preparing papers for presentation before medical societies or for popular education in medicine and hygiene.

4. Case reports. Mimeographed copies of cases of special interest are distributed to physicians desiring this service through the Extension Division.

5. The State Laboratory of Hygiene (the laboratory of the State Board of Health) and the State Psychiatric Institute (the laboratory of the State Board of

Control) are located at the University and are closely affiliated with the Medical School. These institutions not only furnish direct laboratory aid to physicians but also do much to furnish practical post-graduate instruction.

SCIENTIFIC INVESTIGATION

It is desired that the facilities of the various laboratories of the Medical School be utilized to the greatest advantage in the investigation of the causes and prevention of disease both in man and animals. The laboratories of the Medical School are freely open to those engaged in such investigations and, so far as possible, aid will be given in carrying out investigations of this character either at the University or elsewhere in the state.

LABORATORY AND HOSPITAL FACILITIES

The teaching of gross anatomy, histology, embryology, and neurology is at present conducted in Science Hall. The teaching of physiology, physiological chemistry, pharmacology, bacteriology, pathology, hygiene, radiology, and physical therapy is conducted in the new Service Memorial Institute Building recently erected in memory of those who served in the World War.

The major portion of the fundamental teaching of the clinical branches is conducted in the Wisconsin General Hospital. This hospital has a capacity of over 350 beds, with ample facilities for medicine, surgery, and the major specialties. Affiliated with it under university control are the Student Infirmary, with a capacity of 80 beds, and the Bradley Memorial Hospital, with a capacity of 40 beds, used at present for early neuro-psychiatric patients and for the Wisconsin Psychiatric Institute.

During the fourth year of the medical course part of the teaching is done at the Wisconsin General Hospital and part under the direction of preceptors at various medical centers throughout the State.*

The State and City Boards of Health cooperate in the practical instruction offered our students in public health work.

ADMISSION REQUIREMENTS IN THE MEDICAL SCHOOL

For matriculation in the Medical School a student must furnish evidence:

1. That he has satisfied the requirements for admission to the College of Letters and Science.

The requirements for admission to the College of Letters and Science are to be found in the university catalog. They are met by a four-year high-school course which embraces certain groups of studies, including English, mathematics, and foreign language.

2. That he has completed at least the equivalent of two years' work, including the required freshman English, in college.

Two years of work in the College of Letters and Science may be interpreted as meaning the completion of 60 credits of prescribed college work.

*Through the kindness of Professor Joseph De Lee and the managers of the Chicago Lying-In Hospital and Dispensary of Chicago, fourth-year medical students, during the summer and fall have the privilege of taking work in obstetrics there.

3. That he has successfully pursued laboratory courses of college grade in physics, general and organic chemistry, biology, and vertebrate embryology.

The requirements in physics, chemistry, and biology must be satisfied before a student matriculates in the Medical School. Provision is made for studying embryology (Anatomy 115) during the first year of the medical course, but the student is expected to take this study before matriculating.

In addition, students are advised to take a course in quantitative analysis (Chemistry 11a) and in comparative anatomy before beginning the medical work. Attention is called to the opportunities for work in science during the summer session.

4. That he has studied elementary Latin.

The requirement in Latin is ordinarily met by two years of high-school or by one year of college Latin. It is preferable to meet the requirement by high-school work.

5. That he has a reading knowledge of French or German.

This may be secured either by the completion of the fourth semester of French or German at the University of Wisconsin with a grade of 80 or above or by a certificate of reading knowledge of one of these languages from the appropriate departments at the University of Wisconsin.

ADMISSION FROM OTHER INSTITUTIONS

FIRST-YEAR CLASS: A student wishing to apply for admission to this class should send an official copy of his premedical credentials to the Dean of the Medical School not later than May 1 of the year in which he wishes to matriculate. If the credentials are satisfactory, an application blank will be sent to the candidate for admission to be filled out and returned to the Dean of the Medical School.

All students entering from other institutions are required to pass a reading knowledge examination in either German or French given by the German Department or the Department of Romance Languages of the University of Wisconsin at the time of matriculation.

SECOND-YEAR CLASS: There is seldom a vacancy in this class and students from other institutions are not encouraged to apply for admission.

THIRD AND FOURTH-YEAR CLASSES: At the present time no applications to these classes are accepted.

CHOICE OF PREMEDICAL COURSES

The student who enters the College of Letters and Science with the intention of studying medicine should arrange at the office of the Assistant Dean a schedule of study which will enable him to complete the required premedical college work within the period which he desires to devote to preparation for the medical course.

The following language studies are required:

English 1a, 1b.

Two years of foreign language.

Students who have not studied Latin in high school are required to take a year's work in elementary Latin.

The following science studies are required:*

| | Semester | Lectures Recitations | Laboratory Hours | Credits |
|----------------------------|----------|-------------------------|---------------------|---------|
| Chemistry 1 | Yr | 128 | 192 | 10 |
| Organic Chemistry 120..... | I | 48 | 96 | 4-6 |
| Physics 1 | Yr | 128 | 128 | 10 |
| Biology 1 | Yr | 128 | 192 | 10 |
| Embryology 115 | II | 16 | 48 | 2 |
| | | 448 | 656 | 36-38 |

*It is recognized that similar courses at other institutions may not correspond exactly to the scientific courses given at Wisconsin. This will not prevent full credit being granted for approximately equivalent courses pursued elsewhere or during the summer session at Wisconsin.

The minimum time required for the completion of this premedical work is two years. If three or four years are spent on premedical college work, the student has the choice of either broadening his course of study or of taking more advanced work in some special line. All good American medical schools now require at least two years of premedical college work. Many require at least three years of college work and a few require a bachelor's degree for entrance. If a student expects to take his medical course elsewhere or to complete the clinical part of his medical course elsewhere, he should keep this in mind when arranging the premedical schedule. Thus, a student who expects to finish in a medical school which requires three years of college work for entrance should arrange for a three-year premedical college course. He should likewise acquaint himself with the special premedical requirements maintained by the school of his choice.

SUGGESTED PROGRAM FOR TWO-YEAR PREMEDICAL COURSE

LEADING EVENTUALLY TO THE DEGREE OF BACHELOR OF SCIENCE,
MEDICAL SCIENCE COURSE

FRESHMAN YEAR

| First Semester | Credits | Second Semester | Credits |
|--|---------|--|---------|
| Engl. 1a—Freshman English..... | 3 | Engl. 1b—Freshman English..... | 3 |
| Chem. 1a—General chemistry..... | 5 | Chem. 1b—Qualitative analysis..... | 5 |
| Physics 1 or 31—General physics..... | 5 | Physics 1 or 31—General physics..... | 5 |
| French 1a or German 1a..... | 4 | French 1b or German 1b..... | 4 |
| Physical education or military science.. | 0 | Physical education or military science.. | 0 |
| | 17 | | 17 |

SOPHOMORE YEAR

| | | | |
|--|-------|--|-------|
| Chem. 20 or 120—Organic chemistry... | 4-5 | Anat. 115—Embryology | 2 |
| Zoology 1—Animal biology..... | 5 | Zoology 2—General zoology..... | 5 |
| French 10a or German 2a..... | 3-4 | French 10b or German 2b..... | 3-4 |
| Latin 1—Elementary Latin..... | 5 | Latin 2—Caesar I and II..... | 5 |
| Elective if Latin was taken in high school | (3-4) | Elective if Latin was taken in high school | (3-4) |
| Physical education or military science.. | 0 | Physical education or military science.. | 0 |
| | 17-18 | | 15-16 |

SUGGESTED PROGRAM FOR THREE-YEAR PREMEDICAL COURSE

LEADING EVENTUALLY TO THE DEGREE OF BACHELOR OF ARTS

FRESHMAN YEAR

| First Semester | | Second Semester | |
|---|-------------|---|-------------|
| | Credits | | Credits |
| Engl. 1a—Freshman English..... | 3 | Engl. 1b—Freshman English..... | 3 |
| Chem. 1a—General chemistry | 5 | Chem. 1b—Qualitative analysis..... | 5 |
| French 1a or German 1a..... | 4 | French 1b or German 1b..... | 4 |
| History or mathematics | 3-4 | History or mathematics | 3-4 |
| Physical education or military science. | 0 | Physical education or military science. | 0 |
| | <hr/> 15-16 | | <hr/> 15-16 |

SOPHOMORE YEAR

| | | | |
|---|-------------|---|-------------|
| Engl. 30a or 33a—Sophomore literature. | 2-3 | Engl. 30b or 33b—Sophomore literature | 3-2 |
| Chem. 20 or 120—Organic chemistry.... | 4-5 | Zoology 2—General zoology..... | 5 |
| Zoology 1—Animal biology..... | 5 | French 10b or German 2b..... | 3-4 |
| French 10a or German 2a..... | 3-4 | Elective | 5 |
| Physical education or military science. | 0 | Physical education or military science. | 0 |
| | <hr/> 15-16 | | <hr/> 15-16 |

JUNIOR YEAR

| | | | |
|-------------------------------------|----------|------------------------------------|----------|
| Physics 1 or 31..... | 5 | Anat. 115—Embryology | 2 |
| Foreign language..... | 4-5 | Physics 1 or 31..... | 5 |
| Latin 1—Elementary Latin..... | 5 | Latin 2—Caesar I and II..... | 5 |
| Electives if foreign language and | | Foreign language | 4-5 |
| Latin were pursued in high school.. | (10) | Electives if foreign language and | |
| | | Latin were pursued in high school. | (8) |
| | <hr/> 15 | | <hr/> 15 |

MEDICAL COURSES

Two courses are offered, a two-year course and a four-year course.

The two-year course, established in 1907, covers the first half only of a four-year medical curriculum and embraces the basal and intermediate group of studies outlined below. Combined with the two years of premedical work outlined above, this course leads to the degree of bachelor of science, Medical Science Course. On completion of this course, the student is expected to go elsewhere to complete the medical curriculum. Owing to the fact that opportunities for admission to the third year are few in most medical schools, this course is limited to forty-eight students. Selection is made on the basis of pre-medical scholarship. Students are not promoted to the second year of the course until the completion of all of the required work of the first year with grades of fair or better.

The four-year course, established in 1925, embraces the basal and intermediate groups of the two-year course and in addition two years of clinical instruction at Madison and at the associate clinical teaching centers. Students are expected to obtain a bachelor's degree before being admitted to the two years of clinical instruction. Upon the successful completion of the latter,

the degree of doctor of medicine is granted. Owing to the necessity of restricting clinical instruction at the Wisconsin General Hospital so as to make such instruction facilitate, not hamper, care of patients, this four-year class is limited to forty-eight students or less. Selection is made on the basis of pre-medical scholarship. Students are not promoted from one year of the course to the next unless the required work of the year is completed with average grades of good and high fairs or better are obtained in all subjects.

Transfer from the two-year to the four-year course can be made only in case vacancies occur in the latter owing to withdrawal from school. When such transfers occur, selection of students to fill vacancies will be made on the basis of preceding scholarship.

DEGREES

The Medical School grants the degree of Doctor of Medicine to students who complete the requirements of the four-year course leading to this degree.

The College of Letters and Science grants the degree of Bachelor of Science (Medical Science Course) to students who complete two years of prescribed pre-medical work and the first two years of the medical course, and the degree of Bachelor of Arts to students who complete the requirements for this degree and at the same time elect work in the Medical School.

The graduate school offers the degrees of Master of Arts, Master of Science, Master of Public Health, Doctor of Philosophy, and Doctor of Public Health to students who complete the requirements for these degrees in the medical sciences.

DOCTOR OF MEDICINE

The following courses are required for the degree of Doctor of Medicine (M.D.):

BASAL GROUP

Ordinarily taken in the first year of a four-year course. Prerequisite for the Intermediate Group.

| | Course | | Lectures | Laboratory | Credits |
|---|--------|----------|-------------|------------|---------|
| | No. | Semester | Recitations | Hours | |
| Histology .....Anat. | 110 | I | 32 | 112 | 4 |
| Neural Anatomy .....Anat. | 126 | II | 32 | 112 | 4 |
| Gross Anatomy .....Anat. | 121 | yr | 32 | 336 | 12 |
| Physiology .....Phys. | 105 | yr | 96 | 96 | 9 |
| Physiological Chemistry.....Phys. Chem. | 104 | I | 20 | 124 | 4 |
| | | | 212 | 780 | 33 |

INTERMEDIATE GROUP

Ordinarily taken in the second year of a four-year course. Prerequisite for the Clinical Group.

| | Course | | Lectures | Laboratory | Credits |
|-------------------------|--------|----------|-------------|------------|---------|
| | No. | Semester | Recitations | Hours | |
| Pathology .....Path. | 101 | I, ½ II | 64 | 192 | 7 |
| Public Health .....Hyg. | 101 | I | 16 | 32 | 2 |
| Bacteriology .....Bact. | 102 | I | 48 | 96 | 4 |

| | | | | | | |
|------------------------------------|--------|-------|------------------|-----|-----|----|
| Pharmacology | Pharm. | 104-5 | II | 64 | 48 | 4 |
| Physical Diagnosis | Med. | 110 | I | 32 | 64 | 3 |
| Clinical Laboratory Diagnosis..... | Med. | 102 | $\frac{2}{3}$ II | 30 | 90 | 3 |
| Medical Diagnosis | Med. | 111 | II | 16 | 32 | 2 |
| Surgical Clinics | Surg. | 102 | II | | 64 | 1 |
| Surgery Elements | Surg. | 103 | II | 16 | | 1 |
| | | | | 286 | 618 | 27 |

Required of candidates for a bachelor's degree: Thesis, 128 laboratory hours (4 cr.)

CLINICAL GROUP

Ordinarily taken in the third year of a four-year medical course. Prerequisite for Preceptorial Group.

| | | Course | | Lectures | Laboratory | Credits |
|---------------------------------------|---------|--------|----------|-------------|------------|---------|
| | | No. | Semester | Recitations | Hours | |
| Medical Division..... | | | | | | |
| General Medicine | Med. | 301 | | | | 11 |
| a) Lectures | | | yr | 64 | | |
| b) Conferences | | | yr | 32 | | |
| c) Ward work | | | yr | | 80 | |
| d) Clinics | | | yr | | 48 | |
| e) Clin. Path. Conference..... | Path. | 301 | yr | | 16 | |
| f) Therapeutics | Med. | 305 | yr | 48 | | 1 |
| Dermatology | Med. | 315 | | | | 1 |
| a) Lectures | | | I | 16 | | |
| Pediatrics | Med. | 310 | | | | 1 |
| a) Lectures | | | I | 32 | | |
| b) Ward work | | | yr | | 40 | |
| Neuro-Psychiatry..... | N. P. | 312 | | | | 2 |
| a) Lectures | | | II | 32 | | |
| b) Ward work | | | yr | | 40 | |
| Surgical Division | | | | | | |
| General Surgery | Surg. | 301 | | | | 10 |
| a) Lectures | | | yr | 64 | | |
| b) Conferences | | | yr | 32 | | |
| c) Ward work | | | yr | | 80 | |
| d) Clinics | | | yr | | 48 | |
| e) Clin. Path. Conference | | | yr | | 16 | |
| Ophthalmology and Otolaryngology..... | Surg. | 310 | | | | 2 |
| a) Lectures | | | I | 32 | | |
| b) Ward work | | | yr | | 20 | |
| Orthopedics | Surg. | 315 | | | | 1 |
| a) Lectures | | | II | 16 | | |
| b) Ward work | | | yr | | 20 | |
| c) Fractures | | | II | 5 | | |
| Plastic Surgery | Surg. | 314 | | | | 1 |
| a) Lectures | | | II | 16 | | |
| Urology | Surg. | 325 | | | | 1 |
| a) Lectures | | | II | 16 | | |
| Obstetrics and Gynecology | O. & G. | 330 | | | | 3 |
| a) Lectures | | | II | 32 | | |
| b) Demonstrations | | | II | | 32 | |
| c) Ward work | | | yr | | 40 | |
| Radiology and Physical Therapy..... | | | | | | |
| Radiology | Rad. | 320 | | | | 1 |
| a) Lectures | | | II | 16 | | |
| b) Laboratory | | | II | | 16 | |

| | | | | |
|------------------------------|-----|----|---|----|
| Physical Therapy.....Ph. Th. | 316 | | | 1 |
| a) Lectures | | II | 8 | |
| b) Laboratory | | II | 8 | |
| Total | | | | 36 |

The various subjects listed above are given as correlated parts of what constitutes essentially a year's course in the basal elements of clinical medicine.

PRECEPTORIAL GROUP

Ordinarily taken in the fourth year of a four-year medical course. Required for the degree of Doctor of Medicine.

Instruction based on the preceptor system requires at least 48 weeks for completion.

Each student is assigned for given periods to a series of preceptors in medicine, surgery, obstetrics, public health, and the chief medical specialties. At a given time a student is assigned to preceptors in not more than two fields of medicine. Not more than three students are to be assigned to a preceptor for a given period. During this period the student works under the personal supervision of his preceptor and of such assistant or associate preceptors as his preceptor may select. Under this supervision he is excepted to aid, as directed, in history taking, making physical examinations, performing laboratory work, looking up literature on special cases, in administering treatment, and in such other ways as may be of benefit. During this period he will be assigned reading covering the broader aspects of the field in which he is working. At the end of the period he is given an examination in this field of work and is asked to write a brief account of the service and of what he has gained from it.

The work is divided into four quarters as follows:

Medical Quarter: Twelve weeks in internal medicine and the medical specialties: pediatrics, neuro-psychiatry, and dermatology. Six of the twelve weeks are spent at the Wisconsin General Hospital, three in Milwaukee, and three at Mendota. The work of the quarter is arranged as follows:

| | | |
|------------------------|--|--------|
| Medicine | Med. 401, full time 3 weeks, one-half time 3 weeks | 4½ cr. |
| Neuro-psychiatry | N.P. 412, full time 3 weeks..... | 3 cr. |
| Pediatrics | Med. 410, one-half time, 6 weeks..... | 3 cr. |
| Dermatology | Med. 415, one-half time, 3 weeks..... | 1½ cr. |
| Total..... | | 12 cr. |

Surgical Quarter: Twelve weeks in general surgery; eye, ear, nose and throat work; urology; physical therapy and radiology. This quarter is taken in Madison under preceptors selected from the local faculty of the Medical School.

The work of the quarter is arranged as follows:

| | | |
|----------------------------------|--|--------|
| General Surgery..... | Surg. 401, one-half time, 9 weeks..... | 4½ cr. |
| Eye, Ear, Nose, and Throat | Surg. 410, one-half time, 6 weeks..... | 3 cr. |

| | | |
|------------------------|---|--------|
| Urology | Surg. 425, one-half time, 3 weeks..... | 1½ cr. |
| Physical Therapy | Ph.Th. 416, one-half time, 3 weeks..... | 1½ cr. |
| Radiology | Rad. 405, one-half time, 3 weeks..... | 1½ cr. |
| Total..... | | 12 cr. |

Extramural Quarters: An extramural quarter extends over twelve weeks at some teaching center organized for preceptorial work. These centers are selected on the basis of pedagogical, hospital, laboratory, and library facilities. Each student is assigned for work at two such centers. A preceptor is appointed to supervise the work at a given center, and he selects such associate and assistant preceptors as he believes will add to the welfare of the student during his term of service. A list is given on pages 21 to 34 of the centers and preceptors taking part in this work during the year 1928-29. 14 cr.

During the four quarters of service outlined above students are excused from the duties of the service and are assigned to the following special services for the periods designated:

Obstetrics: O. & G. 406, 2 cr.

Two weeks in the Outpatient service of the Chicago Lying-In Hospital.

Public Health: Hygiene 401, 1 cr.

One week under the general supervision of the State and City Boards of Health. Each student spends one week in the State Laboratory of Hygiene and in the offices of the State and City Boards of Health and in field work.

Physical Examinations: 2 cr.

Each student is required to spend two weeks in aiding in making medical and physical examinations of students entering the University at the beginning of the first semester.

During the four quarters but without being assigned a special time for the work, each student is required:

(1) To do assigned reading in medical jurisprudence and medical ethics. An examination in these subjects is given toward the end of the year. Med. 420. 1 cr.

(2) To prepare a thesis on an assigned subject relating to the social aspects of medicine. 4 cr.

At the end of the year each student is given an individual oral examination by a special committee composed in part of members of the clinical and in part of members of the preclinical staffs.

BACHELOR OF ARTS

The regular requirements for this degree apply to those students who elect the work of the first year of the medical course during the senior year in the College of Letters and Science.

BACHELOR OF SCIENCE

(Medical Science Course)

Students in the College of Letters and Science who are candidates for this degree are required to take the following studies:

a. English, 6 credits (3 hours a week for a year), to be taken in the freshman year.

b. Foreign language. (1) A knowledge of elementary Latin, i.e., two years of high-school Latin or its equivalent in college. (2) Either the completion of the fourth semester of French or German *at the University of Wisconsin* with a grade of 80 or above *or* a certificate of reading knowledge of one of these languages from the appropriate department at the University of Wisconsin. At least two years of work in foreign language shall be taken in college. (If first and second year courses are elected this will mean from 14 to 16 credits.)

c. Courses in physics, chemistry, biology, and the medical sciences as outlined in the requirements of the Medical School. The requirement made of candidates for the degree of Bachelor of Arts that six credits shall be elected in history or eight in mathematics does not apply to candidates for the degree of Bachelor of Science (Medical Science Course).

d. The "credit" is the standard for computing the amount of work required for graduation. This is equivalent to one hour of recitation or lecture per week for one semester. Students are expected to take 15 credits per week in recitations, lectures and laboratory work, making 30 credits per year, and 120 for the course. In addition work in physical education or military science is required.

No student will be permitted to receive credit toward graduation for more than 18 credits in one semester in regular studies except by permission of the faculty obtained in advance.

e. Thesis—All candidates for a baccalaureate degree in the Medical School are required to present a graduating thesis, the subject of which must be approved by the student's adviser and the chairman of the department of his major. The thesis must represent some phase of the student's work in the major study and must have the character of a scholarly dissertation on the subject.

MASTER OF SCIENCE AND DOCTOR OF PHILOSOPHY

Graduates of the University of Wisconsin or four-year courses of study in any approved university or college who matriculate in the Medical School may at the same time register in the Graduate School as candidates for the degree of Master of Science under the following conditions:

1. They shall make application to the Dean of the Graduate School at least seven months prior to the date at which the examinations for the degree are to take place.

2. At the time of application they shall present evidence of having completed such an amount of preliminary work in one of the basal sciences of medicine as will entitle them to take more advanced work in this science than is required in the regular medical curriculum. —

3. During the period of at least one academic year, advanced work of this character shall be pursued under the direction of an instructor in the department in which the study is taken. This shall count as a major subject. The regular courses in the medical curriculum shall count as minor subjects.

4. On or before June 1 of the year in which the degree is to be conferred, the candidate must file with the Dean of the Graduate School a thesis approved

by the instructor under whom his major has been taken. After the thesis has been submitted, the candidate must sustain an oral examination upon the graduate work offered in support of his candidacy.

The degree of Doctor of Philosophy will be conferred under the usual conditions for this degree upon students registered in the Medical School.

MASTER OF PUBLIC HEALTH AND DOCTOR OF PUBLIC HEALTH

Candidates for the degree of Master of Public Health must fulfill the following requirements: (1) They must be doctors of medicine from schools approved by the Executive Committee of the Medical School as maintaining adequate standards for both academic and professional training. (2) They must complete one year of graduate work in residence at the University of Wisconsin, covering such special subjects as shall be prescribed by the Executive Committee. (3) They must present a thesis acceptable to the Executive Committee. (4) They must be assigned outside practice in board of health work by arrangement with the Executive Committee. (5) They must satisfy the Executive Committee as to their proficiency by examination.

The degree of Doctor of Public Health (Dr.P.H.) is open to holders of the degree of Doctor of Medicine from medical schools recognized as maintaining satisfactory standards. Candidates for the degree of Dr.P.H. are expected to cover here, or elsewhere, the special work prescribed for the degree of Master of Public Health and must spend at least two years in the study of sciences related to hygiene and public health, subsequent to the regular medical course. Two or more years of practical work as a health officer may be substituted for one of these years. The last of these years must be spent at Wisconsin and must be devoted chiefly to work upon a special subject leading to a thesis containing some original research acceptable to the Executive Committee of the Medical School. The major work leading to the thesis shall be accompanied by minor work in at least one other department. A final oral examination shall be given by a committee appointed by the Dean of the Graduate School.

PERSONAL ADVISER FOR STUDENTS

Premedical students are assigned to the Assistant Dean for approval as to choice of courses preparatory for medicine. Medical students are required to have the approval of the Dean of the Medical School as to choice of courses leading to the B.S. degree (Medical Science Course) and to the M.D. degree. The Assistant Dean assigns each premedical, the Dean each medical student, to a member of the faculty who acts as a special personal adviser for that student. The premedical and medical courses are sufficiently difficult to require the full time of an intelligent student when in residence. Students who are not provided with enough funds sometimes spend so much time in outside work as to make it impossible for them to do justice to their professional studies. In many cases it would be better for such a student to reduce his scholastic schedule below the average and take more time to complete his curriculum, or to borrow money rather than to spend so much time in self-support. It is a function of an adviser to give counsel to students and parents in matters of this kind as well as in general to be a friend to the student assigned to him.

DEPARTMENTS OF INSTRUCTION

For a description of the courses in botany, zoology, chemistry, physics, psychology, climatology, and languages, see departmental announcements in the College of Letters and Science.

ANATOMY

PROFESSORS SULLIVAN (Chairman) MILLER (Emeritus), BARDEEN

ASSOCIATE PROFESSOR BAST

ASSISTANT PROFESSORS GEIST, MOSSMAN

INSTRUCTOR ROBBINS

ASSISTANTS LANGE, MAHONEY, MARSDEN

STUDENT ASSISTANTS BOYER, CHRISTENSEN, HOFFMAN, MALOOF, MUNTZ

A group of courses intended to offer a comprehensive view of the gross and microscopic anatomy and the embryology of mammals with especial reference to man is given in this department. In addition, opportunities are offered for advanced work and research in anatomy. The laboratory is thoroughly equipped with apparatus, models, books, and materials for advanced as well as elementary work.

For those prepared to carry on advanced research, special laboratory facilities are provided.

FOR UNDERGRADUATES AND GRADUATES

39. PHYSICAL EDUCATION ANATOMY. I; 4 cr. Lectures and laboratory work for students of physical education. Prerequisite: Biology 1. Lab. fee \$5.00. Dr. Bardeen.
110. HISTOLOGY AND ORGANOLOGY. I; 4 cr. The study of the tissues, histology, followed by the study of the minute structure of the mammalian organs. Prerequisites: Junior standing, Biology 1. Lab. fee \$12.00; deposit \$5.00. Dr. Bast, Dr. Geist, and staff.
115. MAMMALIAN EMBRYOLOGY. II; 2 cr. The development of the pig is studied by means of dissection and the use of microscopic preparations. Human embryology is studied from sections, special preparations, and models. Prerequisite: Biology 1. Lab. fee \$5.00. Dr. Bardeen, Dr. Mossman.
120. HUMAN ANATOMY. II; 6 cr. For students of physical education. Prerequisite: Biology 1. Lab. fee \$5.00. Dr. Bardeen.
121. HUMAN ANATOMY. Yr; 12 cr. In this course a thorough training is offered in the dissection of the human body and in descriptive human anatomy. Prerequisites: Junior standing, Biology 1. Lab. fee I, \$15.00; II, \$15.00. Dr. Bardeen, Dr. Sullivan.
122. TOPOGRAPHICAL ANATOMY. Yr; 2-4 cr. This course is offered in two forms. One may either study frozen sections and special preparations or

make a second dissection of the human body. Not more than two credits can be counted toward thesis. Prerequisite: Anatomy 121. Lab. fee \$5.00-\$10.00. Dr. Sullivan.

123. SPECIAL HUMAN ANATOMY. Those qualified to do independent work may make special arrangement for the study of human anatomy.
126. NEURAL ANATOMY. II; 4 cr. This course consists of dissection of the human brain, and a study of the microscopic anatomy of the central nervous system and sense organs. Prerequisite: Anatomy 110. Lab. fee \$12.00; deposit \$5.00. Dr. Geist, Dr. Bast.
130. ADVANCED ANATOMY. Opportunity for advanced study in the field of human and comparative anatomy, gross and microscopic, in embryology and experimental morphology, and in laboratory technique is offered to properly qualified students. Under the direction of various members of the staff.
131. HISTORICAL SEMINARY. II; 1 cr. Dr. Miller.

FOR GRADUATES

200. INVESTIGATION UNDER DIRECTION. To qualified students the department is prepared to offer problems for investigation and training in methods of research. Special arrangements for this work may be made with the individual members of the staff.
240. INDEPENDENT INVESTIGATIONS. The department welcomes independent investigators who wish to make use of its facilities for conducting research in anatomy.

HYGIENE

In conjunction with the staffs of the State Laboratory of Hygiene, the Wisconsin Psychiatric Institute, the State Board of Health, and the Boards of Health of the cities of Milwaukee and Madison, courses in hygiene are offered by members of the Faculty of the Medical School under the general supervision of Professors Clark and Stovall.

FOR UNDERGRADUATES

5. DISEASE PREVENTION. II; 2 cr. The more important aspects of personal and public hygiene; designed especially for students who desire a knowledge of how to promote their own health and that of the community. Dr. Clark.

FOR UNDERGRADUATES AND GRADUATES

101. PUBLIC HEALTH. I; 2 cr. Lectures and field work for medical students. Given in conjunction with Bacteriology 102. Prerequisite: Second-year medical standing. Dr. Clark, Dr. Harper, Dr. Stovall.
102. BACTERIOLOGY FOR HEALTH OFFICERS. I; 4 cr. Given in conjunction with medical bacteriology but with special work in the State Laboratory of

Hygiene and some special lectures. Lab. fee \$15.00. Dr. Clark, Dr. Stovall.

106. PHYSIOLOGY FOR HEALTH OFFICERS. II; 5 cr. Given in conjunction with Courses 105 and 107 in medical physiology but with special reference to the needs of health officers. Special topics in respiration, dietetics, chemistry of food, air, water, sewage, etc. Dr. Eyster, Dr. Dawson.
401. PRACTICAL FIELD WORK, I or II; 1 cr. Prerequisite: fourth-year medical standing.

MEDICAL DIVISION

GENERAL MEDICINE

PROFESSOR EVANS (Chairman)

PROFESSOR OF CLINICAL MEDICINE VAN VALZAH

ASSOCIATE PROFESSORS OF MEDICINE MIDDLETON, SEVRINGHAUS

ASSOCIATE PROFESSORS OF CLINICAL MEDICINE BLANKINSHIP, MORRIS

ASSISTANT PROFESSOR OF CLINICAL MEDICINE PUESTOW

CLINICAL ASSOCIATE KAY

INSTRUCTORS BENTLEY, SPRAGUE, WESTON

110. PHYSICAL DIAGNOSIS. I; 3 cr. Normal physical diagnosis. Prerequisites: Anatomy 110, 115, 121, 126; Physiology 105. Lab. fee \$5.00. Dr. Van Valzah.
111. MEDICAL DIAGNOSIS. II; 2 cr. Pathological clinical diagnosis. Prerequisites: One semester each of Pathology 101, Bacteriology 102, Medicine 110. Lab. fee \$5.00. Dr. Van Valzah.
118. PHYSICAL EXAMINATIONS. II; 3 cr. For students in physical education. Prerequisites: Anatomy 39 and 120; Physiology 115. Lab. fee \$5.00. Dr. Morris.
200. ADVANCED WORK AND RESEARCH. Credit according to work done.
301. THIRD-YEAR MEDICINE. Yr; 11 cr. Lectures, clinics, conferences, and ward work. Prerequisites: Medicine 102, 110, 111; Surgery 102, 103. Lab. fee \$25.00. Dr. Evans, Dr. Middleton, and staff.
305. THERAPEUTICS. I and II; 1 cr. Prerequisites: Medicine 102, 111. Given in conjunction with Department of Pharmacology. Dr. Evans and staff.
306. ADVANCED WORK AND RESEARCH IN THERAPEUTICS. Credit according to work done. Given in conjunction with Department of Pharmacology.
401. FOURTH-YEAR MEDICINE. I or II; 4½ cr. Prerequisites: Medicine 301; Surgery 301.

CLINICAL PATHOLOGY

PROFESSOR STOVALL

INSTRUCTOR JACKSON

102. CLINICAL LABORATORY DIAGNOSIS. II; 3 cr. Prerequisites: Bacteriology 102, Pathology 101; Physiological Chemistry 104. Lab. fee \$10.00. Dr. Stovall and staff.

DERMATOLOGY

PROFESSOR O. H. FOERSTER

ASSISTANT PROFESSORS MCINTOSH, H. R. FOERSTER

200. ADVANCED WORK AND RESEARCH. Credit according to work done.
315. DERMATOLOGY. I; 1 cr. Prerequisites: Medicine 102, 111.
415. FOURTH-YEAR DERMATOLOGY. I or II; 1½ cr. Prerequisite: Medicine 315.

Through the courtesy of Dr. O. H. Foerster and Dr. H. R. Foerster of Milwaukee this course is given in Milwaukee. Through the courtesy of the directors of the Milwaukee City Dispensary, this work is in part carried on there.

MEDICAL JURISPRUDENCE AND MEDICAL ETHICS

420. MEDICAL JURISPRUDENCE AND MEDICAL ETHICS. 1 cr. Assigned reading and examination.

PEDIATRICS

ASSISTANT PROFESSORS GONCE, TENNEY

200. RESEARCH.
310. PEDIATRICS. I; 1 cr. Prerequisites: Medicine 102, 111.
410. FOURTH-YEAR PEDIATRICS. I or II; 3 cr. Prerequisite: Medicine 310.

Through the courtesy of the Board of Directors and of the Medical Staff of the Children's Hospital of Milwaukee, each fourth-year student is given three weeks' special training in pediatrics at this hospital. This work is given by members of the staff of the hospital. Dr. A. J. Kastner is at present Chief of Staff.

NEURO-PSYCHIATRY

PROFESSOR LORENZ

ASSISTANT PROFESSORS BLECKWENN, REESE

CLINICAL ASSOCIATES GREEN, A. SAUTHOFF, M. B. SAUTHOFF

INSTRUCTOR MASTEN

112. PROBLEMS IN NEURO-PSYCHIATRY. Credit according to work done. Dr. Lorenz and staff.
200. RESEARCH.
312. NEURO-PSYCHIATRY FOR THIRD YEAR MEDICAL STUDENTS. II; 2 cr. Prerequisites: One semester of Medicine 301 and Surgery 301. Dr. Lorenz and staff.

412. NEURO-PSYCHIATRY FOR FOURTH YEAR MEDICAL STUDENTS. I or II; 3 cr.
Prerequisites: N. P. 312.

PATHOLOGY AND MEDICAL BACTERIOLOGY

PROFESSORS BUNTING (Chairman), CLARK
ASSISTANT PROFESSORS CROMWELL, MCKINNON
INSTRUCTORS HOLFORD, RITCHIE
ASSISTANTS CLARK, OWEN, MARQUART, SCHINDLER

FOR UNDERGRADUATES AND GRADUATES

101. GENERAL PATHOLOGY. I, $\frac{1}{3}$ II; 7-8 cr. The principles of general human pathology and the essentials of pathological anatomy. The laboratory exercises are devoted mainly to a study of pathological histology and to demonstrations of gross morbid specimens. Prerequisites: Anatomy 110, 115, 126. Lab. fee I, \$15.00; II, \$5.00. Dr. Bunting and staff.
102. MEDICAL BACTERIOLOGY. I; 4 cr. This course, which is especially designed for medical students, considers the bacteria and protozoa that are chiefly concerned in the production of disease processes. Weekly lectures in immunology. Prerequisites: Chemistry 1, Biology 1. Lab. fee \$20.00. Dr. Clark, Dr. Cromwell, Miss Holford.
103. EXPERIMENTAL PATHOLOGY. II; 4 cr. In this course by suitable experiments the work of Course 101 is supplemented and elaborated. It may be taken for thesis credit. Prerequisites: Anatomy 110, 115, 126. Dr. Bunting.
104. IMMUNOLOGY. II; 2-4 cr. May be taken as a thesis course. It includes experimental work with all of the known antibodies and weekly conferences on the fundamental theories of immunology. Open to a limited number of students who have completed Bacteriology 102. Dr. Cromwell, Dr. Clark.
106. ADVANCED BACTERIOLOGY. I or II; credit by arrangement. Dr. Clark or Dr. Cromwell.
108. BACTERIOLOGY JOURNAL CLUB, Yr; 1 cr. Dr. Clark.

FOR GRADUATES

200. ADVANCED PATHOLOGY. II; credit by arrangement. Dr. Bunting.
301. CLINICAL PATHOLOGICAL CONFERENCES. Yr; given as a part of Medicine 301. Dr. Bunting and members of medical and surgical staffs.

PHARMACOLOGY AND TOXICOLOGY

PROFESSORS LOEVENHART (Chairman), TATUM
ASSISTANT PROFESSOR MUEHLBERGER
INSTRUCTOR KNOEFEL
ASSISTANT HERWICK

Elementary and advanced courses in pharmacology and toxicology are offered in this department. For the elementary courses a previous training in physiological chemistry and physiology is required. The advanced courses are open to those who have had adequate elementary training. The laboratory is specially fitted for research in chemotherapy.

FOR UNDERGRADUATES AND GRADUATES

101. TOXICOLOGY. II; 1 cr. Prerequisites: Physiology 105, Physiological Chemistry 104. Lectures in the general action of toxic drugs, on diagnosis of poisoning, treatment and the mode of conducting an autopsy when the tissues are to be subsequently examined chemically in medico-legal cases. Dr. Loevenhart, Dr. Muehlberger.
104. PHARMACOLOGY. II; 2 cr. Prerequisites: Physiology 105, Physiological Chemistry 104. Lectures on the chemistry, the pharmacological and toxicological action, and the therapeutic uses of the chief medicinal drugs. Practice in prescription writing. Dr. Loevenhart, Dr. Tatum.
105. PHARMACOLOGY. II; 2 cr. Prerequisites: Physiology 105, Physiological Chemistry 104. Laboratory course. Experimental studies on the action of drugs. Lab. fee \$16.00; deposit \$2.00. Staff.
108. ADVANCED WORK. Those qualified to undertake advanced work and research in pharmacology and toxicology may make arrangements for conducting such work under the supervision of Dr. Loevenhart and Dr. Tatum. May be taken for thesis credit. Lab. fee \$5.00.
120. JOURNAL CLUB. Yr. A meeting of the Journal Club is held weekly. Advanced students will be expected to report from time to time upon current papers dealing with pharmacology and toxicology.

FOR GRADUATES

200. INDEPENDENT INVESTIGATION. To any one qualified to carry on work of this character the facilities of the laboratory are available.
222. SEMINAR IN PHYSIOLOGY, PHARMACOLOGY, AND PHYSIOLOGICAL CHEMISTRY. Yr; 1 cr.

PHYSIOLOGICAL CHEMISTRY

PROFESSOR BRADLEY (Chairman)
ASSISTANT PROFESSOR WITZEMANN
INSTRUCTOR BAERNSTEIN
ASSISTANTS CLARK, MARESH

FOR UNDERGRADUATES AND GRADUATES

104. PHYSIOLOGICAL CHEMISTRY. I; 4 cr. Lectures, conferences, and laboratory work. Required for first year medical students and open to others as an elective. Prerequisites: Chemistry 1 and 20 or 120, Physics 1, Biology 1. Lab. fee \$20.00, deposit \$5.00. Dr. Bradley, Dr. Witzemann.

114. **PHYSIOLOGICAL CHEMISTRY. I**; 3 cr. Lectures, conferences, and laboratory work. Required of juniors in physical education and open to others as an elective. Prerequisites: Chemistry 1, Physics 1, Biology 1. Lab. fee \$12.00, deposit \$5.00. Dr. Bradley.
117. **ADVANCED PHYSIOLOGICAL CHEMISTRY AND RESEARCH. II**; credit by arrangement. Lab. fee \$15.00, deposit \$5.00. Dr. Bradley, Dr. Witzemann.
120. **JOURNAL CLUB. Yr**; 1 cr. Dr. Bradley.

FOR GRADUATES

200. **RESEARCH.**
222. **SEMINAR IN PHYSIOLOGY, PHARMACOLOGY, AND PHYSIOLOGICAL CHEMISTRY. Yr**; 1 cr.

PHYSIOLOGY

PROFESSORS MEEK (Chairman), EYSTER
 ASSOCIATE PROFESSOR DAWSON
 INSTRUCTOR HANEY, HELLEBRANDT, AUSTIN, HERRIN
 ASSISTANT REZNICHEK

FOR UNDERGRADUATES

1. **ELEMENTS OF HUMAN PHYSIOLOGY. I**; 4 cr. Lab. fee \$3.00. Lectures, quizzes, and demonstrations giving a general knowledge of the structure and functions of the human body, especially adapted to teachers. Students electing this course should have some chemistry. Dr. Meek.
3. **ANIMAL PHYSIOLOGY. II**; 4 cr. Especially designed for students in agriculture and physical education for men, but open to others. Lab. fee \$3.00. Dr. Meek and assistants.
4. **PHYSIOLOGY, BACTERIOLOGY, AND HYGIENE. I or II**; 6 cr. Lab. fee \$5.00. Open only to students in the course in nursing.

FOR UNDERGRADUATES AND GRADUATES

105. **MEDICAL PHYSIOLOGY. I, 2 cr**; **II, 7 cr.** Lectures, recitations, demonstrations, and laboratory. Required of first-year medical students and open to others as an elective. Prerequisites: Anatomy 110, 121 (Comparative or human anatomy), 126; Physiological Chemistry 104. Lab. fee \$17.00, deposit \$1.00. Dr. Meek, Dr. Eyster.
115. **PHYSIOLOGY. Yr**; 10 cr. Lectures, recitations, demonstrations, and laboratory. Required of juniors in physical education for women and open to others as an elective. Prerequisites: Comparative anatomy, physiological chemistry. Lab. fee \$15.00, deposit \$2.00. Dr. Dawson, Miss Hellebrandt.
120. **JOURNAL CLUB. Yr**; 1 cr. Reports of recent physiological and biochemical literature. Dr. Meek.

121. HISTORY OF PHYSIOLOGY. I; 2-5 cr. Prerequisite: Physiology 105 or 115. Dr. Dawson.

FOR GRADUATES

200. ADVANCED PHYSIOLOGY AND RESEARCH. Yr; credit according to work done. Lab. fee \$5.00. Dr. Eyster, Dr. Meek, Dr. Dawson.
222. SEMINAR IN PHYSIOLOGY, PHARMACOLOGY, AND PHYSIOLOGICAL CHEMISTRY. Yr; 1 cr.

SURGICAL DIVISION
GENERAL SURGERY

PROFESSOR SCHMIDT (Chairman)
ASSOCIATE PROFESSOR GREENE
ASSISTANT PROFESSOR GALE
INSTRUCTOR FOCKE

102. SURGICAL CLINICS. II; 1 cr. Prerequisites: Anatomy 121; Pathology 101, 1; Physiology 105. At the Wisconsin General Hospital.
103. ELEMENTS OF SURGERY. II; 1 cr. Prerequisites: Anatomy 121; Pathology 101, I; Bacteriology 102; Physiology 105. Dr. Schmidt.
200. ADVANCED WORK AND RESEARCH. Credit according to work done.
301. SURGERY FOR THIRD-YEAR MEDICAL STUDENTS. Yr; 10 cr. Lectures, conferences, ward work, and clinics. Prerequisites: Medicine 110, 111; Surgery 102, 103. Lab. fee \$25.00. Dr. Schmidt and staff.
401. SURGERY FOR FOURTH-YEAR MEDICAL STUDENTS. I or II; 4½ cr. Prerequisites: Medicine 301, Surgery 301.

OPHTHALMOLOGY

PROFESSOR DAVIS
ASSOCIATE PROFESSOR NEFF

200. ADVANCED WORK AND RESEARCH. Credit according to work done. Dr. Davis and staff.
310. OPHTHALMOLOGY. I; 1 cr. Prerequisites: Medicine 110, 111; Surgery 102, 103. Lab. fee \$2.50. Dr. Davis and staff.
410. FOURTH-YEAR OPHTHALMOLOGY. I or II; 1½ cr. Prerequisites: Surgery 310, 311.

RHINOLOGY, LARYNOLOGY, AND OTOTOLOGY

ASSOCIATE PROFESSOR NESBIT

200. ADVANCED WORK AND RESEARCH. Credit according to work done. Dr. Nesbit and staff.

311. RHINOLOGY, LARYNGOLOGY, AND OTOTOLOGY. I; 1 cr. Prerequisites: Medicine 110, 111; Surgery 102, 103. Lab. fee \$2.50. Dr. Nesbit.
411. FOURTH-YEAR RHINOLOGY, LARYNGOLOGY AND OTOTOLOGY. I or II; 1½ cr. Prerequisites: Surgery 310, 311.

ORTHOPEDIC AND PLASTIC SURGERY

PROFESSORS GAENSLEN, BROWN
ASSOCIATE PROFESSOR SCHUMM
ASSISTANT PROFESSOR BURNS
INSTRUCTOR HYSLOP

200. RESEARCH.
314. PLASTIC SURGERY. II; 1 cr. Prerequisites: Medicine 301, I; Surgery 301, I.
315. ORTHOPEDICS. II; 1 cr. Prerequisites: Medicine 301, I; Surgery 301, I. Includes five lectures on fractures.

UROLOGY

ASSOCIATE PROFESSOR SISK.
INSTRUCTOR WEAR

200. ADVANCED WORK AND RESEARCH. Credit according to work done.
325. UROLOGY. II; 1 cr. Prerequisites: Medicine 301, I; Surgery 301, I.
425. UROLOGY FOR FOURTH-YEAR MEDICAL STUDENTS. I or II; 1½ cr. Prerequisite: Surgery 325.

OBSTETRICS AND GYNECOLOGY

PROFESSOR HARRIS, (Chairman)
CLINICAL ASSISTANT PROFESSOR HARPER
INSTRUCTOR CAMPBELL

200. ADVANCED WORK AND RESEARCH. Credit according to work done.
330. OBSTETRICS AND GYNECOLOGY. II; 3 cr. Prerequisites: Medicine 301, I; Surgery 301, I. Lab. fee \$5.00. Dr. Harris and staff.
406. FOURTH-YEAR OBSTETRICS. I; 2 cr. Prerequisite: O. and G. 330.

Through the courtesy of the Directors of the Chicago Lying-In Hospital and of Dr. J. B. DeLee and Dr. E. L. Cornell, this course is given in Chicago.

RADIOLOGY AND PHYSICAL THERAPY

PROFESSOR POHLE, (Chairman)
ASSOCIATE PROFESSOR ELSOM
INSTRUCTOR BURBY
LECTURER HODGES

ASSOCIATE PRECEPTOR SISK

ASSISTANT THAYER

TECHNICIAN LINDBERG

1. X-RAY TECHNIQUE. Lectures and laboratory work. Hours and credit to be arranged. Lab. fee \$5.00. Dr. Burby and Mr. Lindberg.
200. GRADUATE WORK AND RESEARCH. The facilities of the laboratory are available for carrying out any investigation in the field of radiology and physical therapy. Credit toward an M.S. or Ph.D. degree may be obtained by enrolling in the graduate school and meeting its requirements. Dr. Pohle.
316. PHYSICAL THERAPY. II; 1 cr. In this course the fundamentals of mechanical-, light-, electro-, and hydro-therapy and their clinical indications are considered. Prerequisites: Medicine 301, I; Surgery 301, I. Dr. Elsom.
320. RADIOGRAPHY AND RADIOTHERAPY. II; 1 cr. Lectures and demonstrations to third year students. Prerequisites: Medicine 301, I; Surgery 301, I. Lab. fee \$5.00. Drs. Burby and Hodges.
405. APPLIED RADIOLOGY. I or II; 1½ cr. Plate interpretation and clinic in X-ray and radium therapy. Prerequisites: Rad. 320. Drs. Pohle, Burby, Hodges and Sisk.
416. APPLIED PHYSICAL THERAPY. I or II; 1½ cr. Prerequisite: Ph.Th. 316. Dr. Elsom.

FEES AND EXPENSES

College of Letters and Science and Medical School

| | |
|---|---------|
| Resident tuition | Free |
| Nonresident tuition, per semester..... | \$62.00 |
| Incidental fees for all students, per semester..... | 20.50 |
| General fee, Summer Session | 22.00 |

*This includes an infirmary fee of \$3.50.

LABORATORY FEES

| | Fee | Deposit |
|-------------------------------------|---------|---------|
| Anatomy 39 | \$ 5.00 | |
| Anatomy 110 | 12.00 | \$ 5.00 |
| Anatomy 115 | 5.00 | |
| Anatomy 120 | 5.00 | |
| Anatomy, 121, per semester..... | 15.00 | |
| Anatomy 122 | 5-10 | |
| Anatomy 126 | 12.00 | 5.00 |
| Hygiene 102 | 15.00 | |
| Medicine 102 | 10.00 | |
| Medicine 110 | 5.00 | |
| Medicine 111 | 5.00 | |
| Medicine 118 | 5.00 | |
| Medicine 301 | 25.00 | |
| Pathology 101, first semester..... | 15.00 | |
| Pathology 101, second semester..... | 5.00 | |
| Bacteriology 102 | 20.00 | 5.00 |
| Pharmacology 105 | 16.00 | 2.00 |
| Pharmacology 108 | 5.00 | |
| Physiological Chemistry 104 | 20.00 | 5.00 |
| Physiological Chemistry 114..... | 12.00 | 5.00 |
| Physiological Chemistry 117 | 15.00 | 5.00 |
| Physiology 1 | 3.00 | |
| Physiology 3 | 3.00 | |
| Physiology 4 | 5.00 | |
| Physiology 105 | 17.00 | 1.00 |
| Physiology 115 | 15.00 | 2.00 |
| Physiology 200 | 5.00 | |
| Surgery 301 | 25.00 | |
| Surgery 310 | 2.50 | |
| Surgery 311 | 2.50 | |
| Obstetrics and Gynecology 330..... | 5.00 | |
| Radiology 1 | 5.00 | |
| Radiology 320 | 5.00 | |

Students are advised to provide themselves with microscopes. To students who do not have their own microscopes the Medical School will rent microscopes at a charge of \$5.00 per semester.

BOARD AND ROOM

Rooms, furnished and unfurnished, can be obtained in the city at prices per week ranging from \$2.50 to \$6.00 a person. The cost of board in clubs is from \$5.00 to \$7.00 per week; in private boarding houses and cafeterias from \$6.50 to \$8.50 a week. Many students obtain room and board in families or clubs by rendering services, but these places are eagerly sought for and cannot always be obtained at once. Those dependent upon themselves for support should not come to the University unless they have a reasonable reserve fund.

For fourth year medical students special provisions for rooms are made both at Madison and for the extra-mural work. Consult Dr. R. C. Buerki, Superintendent, Wisconsin General Hospital.

SCHOLARSHIPS

For scholarships see General Bulletin of College of Letters and Science.

CORA RODERMOND EVANS LOAN FUND

Mrs. Evans bequeathed to the University the sum of five thousand dollars, the income of which is available as a loan fund to students in the Medical School. The Board of Regents has adopted the following rules relative to the use of this fund:

- (1) that no loans be made for a period of more than a year,
- (2) that interest be charged at the rate of 5% from date of note until paid,
- (3) that loans be made upon recommendation of the Dean of the Medical School

WILLIAM SNOW MILLER LECTURESHIP

The Alpha Pi Chapter of the Phi Beta Pi Fraternity has established an annual lectureship in honor of Professor William Snow Miller.

ANATOMY PRIZE

The Alpha Psi Chapter of the Phi Delta Epsilon Fraternity has established an annual prize of \$25.00 to be awarded at the beginning of the second year to the student who is judged by the staff of the department of anatomy to have done the best work in gross anatomy during the first year of the course.

STUDENTS MATRICULATED 1927-1928

FIRST YEAR

| | |
|------------------------------------|-----------------------|
| Acherman, Emmett T. | Gays Mills |
| Bachhuber, Alois M. | Mayville |
| Berman, Fred A. ¹ | Milwaukee |
| Bertolaet, Elmer E. | Manitowoc |
| Bonner, Nelson A. | Beaver Dam |
| Booher, John A. | Madison |
| Boyer, Sam H., Jr. | Duluth, Minnesota |
| Caldwell, Donald M. | Rio |
| Calkins, Charles D. | Madison |
| Chase, Curtis W. | Janesville |
| Cheli, Clement F. ² | Calumet, Michigan |
| Christensen, Howard W. | Madison |
| Clark, Owen C. | Madison |
| Clark, William E. | Oshkosh |
| Cole, David F. | Sparta |
| Dale, Fred B. ¹ | Madison |
| Dasler, Adolph F. | Watertown |
| Davies, May A. | Madison |
| Decker, John J., Jr. | Phillips |
| Donkle, Milton J. | Madison |
| Faber, Charles A. | Milwaukee |
| Fechtner, Harold H. | Merrill |
| Feldman, Harry | Madison |
| Fitchett, Laurence L. | Janesville |
| Frick, Charlton J. | Athens |
| Gold, Morris A. ¹ | Milwaukee |
| Grant, Claude S. | Milton |
| Granzo, Herbert W. | Delavan |
| Gruenberg, Herbert M. ¹ | New York City, N. Y. |
| Hamre, Christopher J. | Blue Earth, Minnesota |
| Hansen, Horace J. | Glenbeulah |
| Hanson, Leonard O. ¹ | La Crosse |
| Harrigan, Gerald B. ¹ | Milwaukee |
| Hatfield, Leslie W. | Madison |
| Hemphill, George K. | Madison |
| Hering, Eugene R., Jr. | Shell Lake |
| Hicks, Earl V. | Sheboygan |
| Hill, Arthur W. ¹ | Coral, Michigan |
| Hoffman, Erwin F. | Wilton |
| Hughes, Byron J. | Pardeeville |
| Huth, Edgar W. | Milwaukee |
| Izner, Bernice | Milwaukee |
| Kaiser, Lloyd F. | New Holstein |

Kautz, Erich
 Kelly, Hobart M.
 Kingsbury, Lawrence H.
 Lechause, Ralph M.²
 Lee, Earl R.²
 Leonard, Thomas A., Jr.
 Lifschutz, Leo M.
 Linsley, Earl C.
 Litzen, Floyd L.
 Lochen, Everett L.
 Lockvam, Leif H.
 MacCollum, Donald W.
 Maloof, George J.
 Marshall, Wallace S.²
 Martin, Ronald F.
 McCarthy, Frank D.
 Meili, Emmett A.
 Meister, Franklin
 Monroe, Maurice E.
 Morrison, Russell C.
 Morrow, Cecil A.
 Muntz, Earl R.
 Newcomb, Charles J.
 Ochsner, Clarence G.
 Olson, Obert H.¹
 Owen, John D.
 Paul, Norman W.
 Payne, John J.
 Pederson, Allen J.
 Perisho, Gordon M.
 Pinegar, Kenneth G.
 Plank, Lloyd T.
 Pomainville, Harold G.
 Pomainville, Leland C.
 Quisling, Gunnar
 Quisling, Ralph
 Rice, Carol M.
 Roberts, Dave J.
 Rosenow, Oscar F.
 Sachtjen, Robert M.
 Schmidt, Kenneth W.
 Schmiedicke, Paul H.
 Schmitt, Alton J.
 Schrofer, Charles G.
 Schuster, Eugene B.
 Schwittay, Addie M.
 Sheldon, John²
 Skinner, Morgan E.

Madison
 Milton Junction
 Turtle Lake
 Newark, New Jersey
 Cashton
 Madison
 Brooklyn, New York
 Madison
 Elcho
 Milwaukee
 Eau Claire
 Manitowoc
 Madison
 Appleton
 Madison
 Ponca, Nebraska
 Alma
 Slinger
 Hartford
 Madison
 Kenosha
 Elgin, Illinois
 Waupun
 Knowles
 Madison
 Phillips
 Madison
 Madison
 Milwaukee
 Streator, Illinois
 Marinette
 Fond du Lac
 Nekoosa
 Nekoosa
 Madison
 Madison
 Detroit, Michigan
 Cambria
 Alma
 Madison
 Madison
 Manitowoc
 Sheboygan
 Kenosha
 Milwaukee
 Pound
 Kansas City, Missouri
 Waupaca

| | |
|------------------------------------|----------------|
| Smith, Harry H. | Chippewa Falls |
| Stehr, Arthur C. | Madison |
| Stowe, Harwood L. | Madison |
| Stubenvoll, Harvey C. ¹ | Shawano |
| Sykes, Robert | Madison |
| Tasche, John A., Jr. | Sheboygan |
| Taylor, Mrs. Zella E. | Madison |
| Thomas, Norman G. | Cobb |
| Treskow, Frank G. | Eldora, Iowa |
| Van Doren, Burr J. | Antigo |
| Wall, Willard W. | Eau Claire |
| Watts, Alice D. | Madison |
| Weir, Earl F. | Waupun |
| Welsch, John M. | Beaver Dam |
| Whitford, Alan G. | Madison |
| Winchell, A. Vaughn | Madison |

1. Withdrew during year.

2. Completing year.

SECOND YEAR

| | |
|------------------------------------|------------------------|
| Armbruster, John L. | Milwaukee |
| Atwood, David C. ² | Madison |
| Bachhuber, Francis G. | Mayville |
| Barnes, Harry A. | Milwaukee |
| Beatty, Harry P. | Birmingham, Alabama |
| Beebe, DeWitt C. | Sparta |
| Blady, John V. ¹ | West Allis |
| Burdon, Thomas S. ¹ | Green Bay |
| Casey, James D. ¹ | San Benito, Texas |
| Conway, James P. ² | Wisconsin Rapids |
| Cummings, Earl F. | Hawkins |
| Davis, Milton D. | Milton |
| Dollard, James E. | Madison |
| Elkins, Oscar M. | Racine |
| Epstein, Ely | Milwaukee |
| Fein, Norman N. | Milwaukee |
| Fox, Meyer S. | Milwaukee |
| Frechette, Francis M. | Wisconsin Rapids |
| Friske, Oscar W. | Sparta |
| Fuhlbrigge, Arthur A. ¹ | Madison |
| Furlong, Thomas A. ² | Milwaukee |
| Gopadze, Illarion | Madison |
| Green, Frank C. | Milton |
| Hahn, Anthony C. J. | Watertown |
| Hand, O. Robert | Minneapolis, Minnesota |
| Harris, Arthur J. | Superior |
| Hull, Harmon H. | Waupun |

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| Hutter, Adolph M. | Fond du Lac |
| Icks, Karl | Green Bay |
| Kaska, Gordon J. | East Troy |
| Keenan, Margaret | Madison |
| Kehr, Edwin F. ² | Watertown |
| Kleinpell, Walter C. | Madison |
| Knoefel, Peter K. | Terre Haute, Indiana |
| Krehl, W. Homer | Madison |
| Kroyer, Theodore J. | Madison |
| Kyhos, Mrs. Emma ² | Madison |
| Lange, Eugene W. | Cedarburg |
| Lavine, Israel | Superior |
| Lee, Howard J. | Milwaukee |
| Lemmer, Kenneth E. | Spooner |
| Lilygren, Stella I. | Madison |
| Margoles, Maxon E. | Milwaukee |
| Marquart, Philip B. | Milton Junction |
| McDonough, Kenneth B. | Toledo, Ohio |
| Moffatt, J. Stuart | Arpin |
| Niebuhr, William A. | La Crosse |
| Overton, James B., Jr. | Madison |
| Owen, George C. | Racine |
| Parker, W. Howard | Byron, Minnesota |
| Parkhill, Edith M. | Rochester, Minnesota |
| Pescor, Michael J. | Oak Creek, Colorado |
| Petty, Louise E. | Clinton, Iowa |
| Quisling, Abraham | Madison |
| Ramlow, Leonard W. | Milwaukee |
| Reznichuk, Cyrus G. | Antigo |
| Risteen, Wilford A. | Chippewa Falls |
| Rotter, Israel I. | Milwaukee |
| Sannes, William A. ² | Madison |
| Schindler, John A. | New Glarus |
| Schultz, Isadore ² | Madison |
| Scolten, Adrian H. ² | Madison |
| Shulak, Irving | Detroit, Michigan |
| Springberg, Joseph C. | Madison |
| Steel, Marcella R. | Milwaukee |
| Stiles, John A. | Lake Mills |
| Taylor, Gurney | Milwaukee |
| Theisen, Harold J. | Slinger |
| Tuft, Warren R. | Milwaukee |
| Urban, Walter J. | Madison |
| Vogel, Henry E. | Superior |
| Wagner, David | Bloomville |
| Waterman, Irl L. ¹ | Suring |
| Watson, Eldon L. | Madison |
| Weissmiller, Lester L. | Monticello |

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| Wendt, Floyd A. ¹ | Lake Mills |
| Willett, Dean | West Allis |
| Williams, David L. | Madison |
| Wirka, Herman W. | Madison |
| Wiswell, Clifford Y. | Elkhorn |
| Zelson, Carl | Philadelphia, Pennsylvania |

1. Withdrew during year.

2. Completing year.

THIRD YEAR

| | |
|--------------------------------|--------------------|
| Aitken, Herbert M. | Bozeman, Montana |
| Ansfield, David J. | Milwaukee |
| Bachhuber, Harold A. | Madison |
| Bachhuber, Hugo M. | Medford |
| Backus, Otto A. | Plover |
| Berwanger, Willard J. | Oak Park, Illinois |
| Bingham, Elmer M. | Milton |
| Birnbaum, Isadore R. | Milwaukee |
| Birkbeck, Norman J. | Gratiot |
| Blum, Otto S. | Monticello |
| Caldwell, Ruth | St. Croix Falls |
| Cole, Llewellyn R. | Milwaukee |
| Davis, Lawrence C. | Richland Center |
| Edwards, Paul K. | Lancaster |
| Emanuel, Karl W. | Shawano |
| Evans, Albert E. | Racine |
| Gronlund, Anna A. | Merrill |
| Hansen, Arthur C. | Racine |
| Henke, Sam L. | Baraboo |
| Hinckley, Robert G. | Madison |
| Hoel, Kenneth P. | Baldwin |
| Kandel, Ernestine V. | Oconto |
| Katz, Samuel D. | Marinette |
| Lapp, Harry D. | Windsor |
| Leinfelder, Placidus J. | La Crosse |
| Mortenson, Otto A. | South Milwaukee |
| Pearson, Carlyle R. | Madison |
| Rau, Gerald A. | Two Rivers |
| Schriber, Paul W. | Wilson |
| Schutkin, Meyer W. | Milwaukee |
| Sharp, Darrell S. ² | Neillsville |
| Shebesta, Emil M. | Cato |
| Smith, Russell C. | Fort Atkinson |
| Stadel, Ernest V. | Bradenton, Florida |
| Tenney, Mary Jane | Madison |
| Tessier, Alban F. ² | De Pere |
| Tjoflat, Oliver E. | Ettrick |

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| Vogel, Thorn L. | Milwaukee |
| Vollenweider, Carlos | Buenos Aires, Argentina |
| Walsh, James D. | Mauston |

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1. Withdrew during year.
 2. Completing year.

FOURTH YEAR

| | |
|----------------------------|------------------------|
| Baldwin, Raymond | Beloit |
| Benn, Herbert P. | Medford |
| Berg, George O. | Madison |
| Clauson, C. Theron | Bloomer |
| Erickson, Milton H. | Lowell |
| Eschweiler, Paul C. | Madison |
| Goedecke, Ray | Merrimac |
| Haigh, Frederick W. | Madison |
| Hellebrandt, Frances A. | Madison |
| Hemphill, Paul H. | Madison |
| Hudson, Leo A. | Prairie du Sac |
| Leitz, Frank B. | Madison |
| Lundt, Milo O. | Madison |
| Manz, Walton R. | Eau Claire |
| Millar, Malcolm G. | Madison |
| Mueller, C. Frederick | Madison |
| Neubert, Albert C. | Madison |
| O'Brien, Harold A. | Madison |
| O'Malley, William P. | Madison |
| Perrin, Stuart H. | Star Prairie |
| Roach, Carroll E. | Madison |
| Rydell, Otto Ellwood | Superior |
| Schade, Robert E. | Whitefish Bay |
| Spooner, A. Dwight | Lu Verne, Iowa |
| Stanton, Ed. | Mitchell, South Dakota |
| Stratman-Thomas, Warren K. | Madison |
| Turkeltaub, Solomon | Milwaukee |
| Weeks, Frank D. | Chicago |
| Wilson, Otis N. | Madison |

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